

CONTRACT DOCUMENTS &

TECHNICAL SPECIFICATIONS

PWC2526001

ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

ISSUED FOR BID

October 29, 2025

Fayetteville Public Works Commission
Administrative Building
955 Old Wilmington Road
Fayetteville, NC 28301

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SECTION A – PROJECT SPECIFICS GENERAL

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ADVERTISEMENT FOR BID
FAYETTEVILLE PUBLIC WORKS COMMISSION
ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

Cumberland County
North Carolina

Pursuant to N.C.G.S 143-129, sealed bids are solicited and will be received at Fayetteville Public Works Commission, Administration Building, Conference Room 107, 955 Old Wilmington Road, Fayetteville, NC 28301, until **3:00p.m., EST Thursday, November 20, 2025**, at which time they will be publicly opened and read.

PWC is seeking qualified utility contractors to provide electrical support services. The requested services consist of providing labor, equipment, and incidentals to provide overhead electric distribution repairs, maintenance, and other electrical distribution services requested by the commission.

The foregoing description shall not be construed as a complete description of all work required. All work shall be done in accordance with PWC technical specifications and standard contract terms.

PWC has received financial assistance under the Bipartisan Infrastructure Law (BIL) – Grid Resilience and Innovation Partnerships (GRIP) grant program. These programs include provisions that establish goals and other requirements relating to participation by certified Minority Business Enterprises (MBE)/Women Business Enterprises (WBE), compliance with wage rates as set forth under the Davis-Bacon Act, and any additional requirements such as those of the American Iron and Steel Act. The Bidder to whom the contract is awarded shall comply with all statutory and regulatory requirements of these provisions as specified within the contract documents. HUB Certified contractors are encouraged to submit a bid for this project.

All bidders are notified that the requirements of the GRIP program for participation by certified Minority and Women Business Enterprises in Construction, Procurement, and Professional Services shall be adhered to in the submission of all bids and shall be made a part of this contract.

Bids must be enclosed in a sealed envelope addressed to JoAnn Bowman, Procurement Advisor, Fayetteville Public Works Commission, 955 Old Wilmington Road, Fayetteville, North Carolina 28301. The outside of the envelope must be marked **SEALED BID: PWC2526001 ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION** and shall indicate the name, address and state license number of the bidder. Bids shall be submitted on the printed forms, or exact copies thereof, contained in the Contract Documents.

Each bid shall be accompanied by a bid bond of five percent (5%) of the bid executed by a surety company licensed under the laws of North Carolina to execute the Contract in accordance with the bid bond and upon failure to forthwith make payment, the surety shall pay the obligee an amount equal to the amount of said bond. Said deposit shall be retained by the Owner as liquidated damages in event of failure of the successful bidder to execute the Contract within ten (10) days after the Notice of Award or give satisfactory surety as required by law.

Performance and Payment Bonds are required in the amount of 100% of the Contract amount and shall be furnished by the Contractor.

All Contractors are notified that North Carolina Statutory provisions as to licensing of Contractors will be followed as applicable in receiving and evaluating bids and in reading and awarding the Contract (Chapter 87 of the North Carolina General Statutes).

The license classification shall be:

Public Utilities Contractor PU (Electrical -Ahead of Point of Delivery)
Specialty Contractor-PU (Electrical -Ahead of Point of Delivery)

Plans and Specifications including Contract Documents will be available online for viewing and downloading on or about **Wednesday, October 29, 2025** on the PWC Procurement website at https://www.faypwc.com/purchasing. In addition, the documents will be available from the Fayetteville State University Construction Resource Office (FSU CRO) at https://www.uncfsu.edu/academics/colleges-schools-and-departments/broadwell-college-of-business-and-economics/outreach-centers/construction-resource-office. In collaboration with the North Carolina Institute of Minority Economic Development, the FSU CRO offers services and support to help small, minority, veteran, and women-owned businesses identify and compete for construction-related projects.

At the FSU CRO, potential bidders may:

- Research, view and print project drawings to scale free of charge;
- Use available software to prepare their bid; and
- Receive certification and pre-qualification assistance.

Please email the FSU CRO to make an appointment: fsucro@uncfsu.edu

Fayetteville Public Works Commission reserves the right to reject any or all bids for any reason determined by PWC to be in its best interest, or to award the bid to the lowest responsible bidder or bidders, taking into consideration quality, performance, and the time specified in the bids for the performance of the contract.

The bidder to whom the contract may be awarded must comply fully with the requirements of North Carolina General Statutes Section 143-129, as amended.

No bids may be withdrawn after the scheduled Bid Opening for a period of ninety (90) calendar days.

FAYETTEVILLE PUBLIC WORKS COMMISSION
Nikole Bohannon
Procurement Manager

00100 - INSTRUCTIONS TO BIDDERS
FAYETTEVILLE PUBLIC WORKS COMMISSION
ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

A. DEFINED TERMS

Terms used in these Instructions to Bidders are defined in the Definitions and Terminology sections of PWC General Conditions.

B. COPIES OF BIDDING DOCUMENTS

1. Complete sets of the Bidding Documents as stated in the Invitation to Bidders, may be obtained from the PWC Procurement Department.
2. Complete sets of Bidding Documents shall be used in preparing Bids. PWC assumes no responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

C. EXAMINATION OF CONTRACT DOCUMENTS, OTHER RELATED DATA, AND PROJECT SITE

1. Before submitting a Bid, each Bidder shall (a) examine the Contract Documents thoroughly, (b) visit the site and become familiar with the site and any local conditions that may in any manner affect the cost, progress, or performance of the Work, (c) be familiar with federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of the Work, and (d) study and carefully correlate Bidder's observations with the Contract Documents, and (e) give the PWC Procurement Advisor written notice of all conflicts, errors ordiscrepancies in the Contract Documents.
2. Bidders should consult the Specifications for the identification of those reports of investigations and tests of subsurface and latent physical conditions at the site or reports that otherwise may affect cost, progress, or performance of the Work which may have been utilized in the preparation of the Drawings and Specifications. PWC will make copies of such reports if available at the cost (non-refundable) of reproduction to any Bidder requesting them. These reports are not intended to constitute any explicit or implicit representation as to the nature of the subsurface and latent physical conditions, which may be encountered at the site or to constitute explicit or implicit representations as to any other matter, contained in any report. Such reports are not guaranteed as to accuracy or completeness and are not part of the Contract Documents. Before submitting a Bid, each Bidder will, at its own expense, make such investigations and tests as the Bidder may deem necessary to determine his Bid for the performance of the Work in accordance with the Contract Documents.
3. On request (minimum 48 hours advance notice), PWC will provide each Bidder access to the site to conduct such investigations and tests, as each Bidder deems necessary for submission of its Bid.
4. The lands upon which the Work is to be performed, right-of-way for access thereto, and other lands available for use by the Contractor in performing the Work are identified in the Contract Documents.

5. The submission of a Bid constitutes an incontrovertible representation by the Bidder that it has complied with every requirement of this Section and that the Contract Documents are sufficient in scope and detail to indicate and convey an understanding of all terms and conditions for the performanceof the Work.

D. INTERPRETATIONS AND ADDENDA

1. All questions about the meaning or intent of the bid or Contract Documents shall be submitted in writing to JoAnn Bowman, Procurement Advisor, by email to procurement@faypwc.com. In order to receive consideration, questions must be received by Thursday, November 6, 2025, 5:00 p.m. Any interpretations of questions so raised, which in the opinion of the Project Engineer require interpretations, will be issued by Addenda via email or posted online by the Owner and/or Project Engineer. An Addendum extending the Bid Opening date may be issued up to five (5) business days before the Bid Opening date. An Addendum withdrawing the Invitation for Bid may be issued any time prior to the Bid Opening date. The Owner and Project Engineer will not be responsible for oral interpretations or clarifications, which anyone presumes to make on their behalf.

Bidders are expressly prohibited from contacting any PWC official or employee associated with this project, except as noted above. Violation of this prohibition is grounds for the immediate disqualification of the bidder.

2. PWC may issue such additional Addenda as may be necessary to clarify, correct, or change the Contract Documents. Such Addenda, if any, will be issued in the manner and within the time stated in Paragraph 1 of this Section.

3. Each Bidder shall be responsible for determining that all Addenda issued by PWC have been received before submitting a Bid for the Work.

4. Each Bidder shall acknowledge the receipt of each Addendum on the Bid Form.

E. VENDOR REGISTRATION VIA ISUPPLIER

1. All vendors interested in doing business with PWC must register as a vendor through the iSupplier Portal using the link below. The iSupplier self-service portal enables vendors to have real-time access to information regarding purchase orders, invoices, and payments through a secure environment. Attach a copy of your W9 to your online registration.

   https://www.faypwc.com/isupplier-doing-business-with-pwc/

F. QUALIFICATION OF CONTRACTORS

1. Statutory Requirements – The Bidder shall comply with all federal, state, and local statutes, regulations, and codes as they relate to the Project. Failure to comply with these requirements shall be considered a breach of Contract.

2. Contractor to provide utility references for similar projects completed by identified crews.

3. PWC is looking for utility contractors with experienced personnel in all facets of overhead distribution. The minimum work experience of the following Personnel Classifications will be required:

4. **Qualification Requirements (Minimum)**

- **Foreman/Crew Leader**: Must have a minimum of 5 years of experience as a foreman/crew leader, coordinating and supervising a team of crew members for replacing Distribution Poles between 40’ and 60’ in length. Should have experience reconductoring energized 15 KV and 25 KV distribution circuits up to 477 AAC.

- **One (1) Journeyman (“A-Class” Lineman):** Must have a minimum of 5 years of experience at this classification replacing Distribution Poles between 40’ and 60’ in length. Should have experience reconductoring energized 15 KV and 25 KV distribution circuits up to 477 AAC.

- **One (1) “B-Class” Lineman**: Must have a minimum of 3 years of experience at this classification replacing Distribution Poles between 40’ and 60’ in length. Should have experience reconductoring energized 15 KV and 25 KV distribution circuits up to 477 AAC.

- **One (1) “C-Class” Lineman – Equipment Operator:** Must have a minimum of 2 years of experience at this classification replacing Distribution Poles between 40’ and 60’ in length. Should have experience reconductoring energized 15 KV and 25 KV distribution circuits up to 477 AAC.

- **Groundworkers:** Must have a minimum of 1 year of experience at this classification performing duties for OH Distribution Crews.

- **Equipment Requirements (Minimum)**
  - Truck, Pickup, 4x2
  - Bucket Truck 55’
  - Digger Derrick capable of handling up to a 60/1 wood, steel, or ductile iron pole.
  - Pole Trailer

Contractor will only be paid for equipment and tools in use on work-site.

G. SUBSTITUTE MATERIAL AND EQUIPMENT

The Contract, if awarded, will be on the basis of material and equipment described in the Drawings orrequired in the Specifications without consideration of possible substitute or "or-equal" items. The procedure for submittal of substitute or “or-equal” items for consideration is set forth in the PWC General Conditions.

H. CONTRACTOR'S LICENSE

1. No General Contractor shall engage in contracting work in the State of North Carolina unless it has been licensed under in accordance with North Carolina law.
2. Bidders are prohibited from contracting for, or bidding upon, the construction, removal, repair or improvements to or upon real property owned, controlled or leased by Fayetteville Public Works Commission without a North Carolina Contractor's License.
3. Each bidder shall indicate its North Carolina Contractor's License number on the bid

envelope and the Bid Form.

4. License Classification shall be:

   Public Utilities Contractor PU (Electrical -Ahead of Point of Delivery)
   Specialty Contractor-PU (Electrical-Ahead of Point of Delivery)

I. SUBCONTRACTORS

1. Contractor shall subcontract no more than 49 percent (49%) of the value of the Contract.
2. Each Bidder shall submit to PWC with its bid the List of Subcontractors, Suppliers, other persons, and organizations proposed for those portions of the Work for which such identification is required. If PWC, after due investigation has reasonable objection to any proposed Subcontractor, Supplier, other person or organization, PWC may, before Notice of Award is given, request apparent Successful Bidder to submit an acceptable substitute without an increase in the Bid.
3. If the apparent Successful Bidder declines to make such a substitution, PWC may award the Contract to the next lowest responsive, responsible Bidder that proposes to use acceptable Subcontractors, Suppliers, and other persons, and organizations. The declining to make requested substitutions will not constitute grounds for sacrificing the bid security of any Bidder. If PWC does not make written objection to a Bidder's list of Subcontractors, Suppliers, other persons, or organizations prior to giving Notice of Award, the list will be considered acceptable, subject to revocation as provided in the PWC General Conditions.
4. First tier subcontractors shall not be allowed for purposes of replacing distribution poles (poles larger than 65') and reconductoring overhead (OH) Sub-Transmission/Transmission (69 kV and above) circuits with underbuilt energized 12 kV and 25kV Distribution Circuits for this contract.

J. SUBMISSION OF BIDS

1. All Bidders shall use the enclosed Bid Forms, or exact copies thereof, in submitting their bid prices. Failure to provide full and complete Bid Forms using the form provided herein will result in a bid being deemed non-responsive.
2. PWC will not accept modified Bid Forms, oral Bids, or Bids received by telephone, email, or telecopier (FAX machine) for this Bid.
3. All prices must be F.O.B. delivered to the point as indicated by this Bid. PWC will grant no allowance for boxing, crating, or delivery unless specifically provided for in this Bid.
4. The Bid Form must be completed in black ink. Black or blue pen ink is acceptable if handwritten. Discrepancies between amounts shown in words and amounts shown in figures will be resolved in favor of the amounts shown in words. Discrepancies in the multiplication of units of Work and the unit prices will be resolved in favor of the correct multiplication of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.
5. Bid submittals sent by mail should be registered mail. The sealed Bid, marked as

indicated above, should be enclosed in an additional sealed envelope similarly marked and addressed to:

Fayetteville Public Works Commission
Attn: JoAnn Bowman , Procurement Advisor
955 Old Wilmington Road
Fayetteville, North Carolina 28301

6. Mark the envelope in the lower left-hand corner with the project title, hour and due date of Bid, and the Bidder's North Carolina contractor registration number.
7. Bids sent by mail and arriving after the time for the opening of Bids shall not be considered valid Bids. In such instances, the Bidders shall have no claim against PWC.
8. All items contained in the Bid Checklist shall be completely filled out and submitted with the bid. Failure to submit any of the items requested with the Bid Form may be just cause for rejection of the Bid by PWC.
9. All erasures, insertions, additions, and other changes made by the Bidder to the Bid Form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasures, alterations,or items not called for in the Bid, may be rejected by PWC as being incomplete or nonresponsive.
10. The Bid Form must be signed in order to be considered. If the Bidder is a corporation, the Bid must be submitted in the name of the corporation, not simply the corporation's trade name. In addition, the Bidder must indicate the corporate title of the individual signing the Bid.
11. The Bid Form, the Bid security, if any, and any other documents required, shall be enclosed in a sealed opaque envelope. Any notation or notations on the exterior of the envelope purporting to alter, amend, modify, or revise the bid contained within the envelope shall be of no effect and shall be disregarded.
12. All Bids received in the Procurement Department by the deadline indicated will be kept sealed until the time and date of the Bid Opening.
13. All late Bids shall be returned unopened to the sender.

K. BID BOND

1. Each Bid shall be accompanied by an acceptable Bid bond in the amount of five percent (5%) of the Bid amount, and made payable to Fayetteville Public Works Commission, North Carolina.
2. The Bid bond is a guarantee that if the contract is awarded by PWC to the Bidder, the Bidder shall enter into the contract with PWC for the work mentioned in this Bid or forfeit the Bid bond to PWC, not as a penalty, but as liquidated damages.
3. No forfeiture under a Bid bond shall exceed the lesser of (a) the difference between the Bid forwhich the Bid bond was written and the next low Bid of another Bidder, or (b) the face amount of the Bid bond.

4. All bonds shall be executed by a surety company selected by the Bidder, which is legally authorized to do business in the State of North Carolina (NCGS §44 A-26), and the bond shall be the same in both form as well as substance as AIA Document A310, Bid Bond.
5. The Bidder shall require the attorney-in-fact, who executed the required bond on behalf of the surety company, to affix thereto a certified and current copy of the power of attorney.
6. The bond premium shall be paid by the Bidder and the cost shall be included in the Bid price.
7. Any inspection of procurement transaction records shall be subject to reasonable restrictions to ensure the security and integrity of the records.

L. OPENING OF BIDS

1. Bids will be opened publicly and read aloud on the date and time set for the Bid Opening in the Notice to Bidders.
2. Any Bidder, upon request, shall be afforded the opportunity to inspect Bid records within a reasonable time after the opening of all Bids but prior to award, except in the event that PWC decides not to accept any of the Bids and to reopen the contract. Otherwise, bid records shall be open to public inspection only after the award of the Contract.
3. Any inspection of procurement transaction records shall be subject to reasonable restrictions to ensure the security and integrity of the records.

M. MODIFICATION OF BIDS

1. A Bid may be modified or withdrawn by the Bidder at any time prior to the time and date set for the Bid Opening. The Bidder shall notify the PWC Procurement Department in writing of its intentions.
2. Modified and withdrawn Bids may be resubmitted to the PWC Procurement Department up to the time and date set for the Bid Opening.

N. WITHDRAWAL OF BID DUE TO ERROR

1. If the Bidder desires to withdraw its Bid, the Bidder must do so before the time fixed for the opening, without prejudice, by communicating its purpose in writing to PWC. After bids are open, bids may only be withdrawn in strict accordance with N.C.G.S. Section 143-129-1

O. BIDS TO REMAIN OPEN

1. All Bids shall remain open for ninety (90) calendar days after the day of the Bid Opening.

P. ESTIMATED QUANTITIES

1. The estimated quantities contained herein in certain items in the Bid are for the purpose of comparing bids, and while they are believed to be close approximations, they are not guaranteed, and settlement will be made on the basis of the work as actually executed at the unit prices in the Bid as accepted. PWC further reserves the right to delete any single line item or combination of items from the bid and cannot guarantee that all quantities listed in the Contract Documents will be utilized.

2. The Contractor should verify quantities before submitting a bid. Due to conditions that may be encountered during the work, such as the accurate location of assemblies, distribution infrastructure, and electrical support services of all types, quantities are subject to change during construction, but this contingency shall not be used for a claim to change unit prices submitted in the Bid.

Q. AWARD OF CONTRACT

1. PWC reserves the right to reject any and all Bids, to waive any and all informalities, and to disregard all nonconforming, nonresponsive, or conditional Bids. PWC reserves the right to request additional information from any or all bidders for evaluation purposes. Failure or refusal to furnish additional information as requested may result in the rejection of the bid.
2. In case of a tie Bid, the tie shall be decided by lot.
3. It is the intent of PWC to recommend the award of this contract to the lowest responsive, responsible Bidder provided the Bid has been submitted in accordance with the requirements of the Bidding Documents and does not exceed the funds available. In determining the lowest responsible Bidder, PWC may consider, among other criteria, the Bidder's past performance conduct on other contracts, and other information provided by the Bidder as noted below.
4. In determining the lowest responsive Bidder, PWC will evaluate the Bidder’s proposed Bid price and the completeness of the submitted bid in accordance with the requirements of the Contract Documents.
5. PWC may consider the operating costs, maintenance considerations, performance date, and guarantees of materials and equipment.
6. PWC may conduct such investigations as deemed necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of the Bidders, as well as other considerations, to include but not limited to resources available to the Bidder to perform the work effectively, proposed Subcontractors and other persons and organizations to do the workin accordance with the Contract Documents to PWC’s satisfaction within the prescribed time.
7. PWC reserves the right to reject the Bid of any Bidder who does not pass any such evaluation to PWC’s satisfaction.
8. If the Contract is to be awarded, PWC will give the Successful Bidder a Notice of Award within ninety (90) days after the day of the Bid Opening.
9. The Bidder to whom the contract is awarded shall, within ten (10) days after prescribed documents are presented for signature, execute and deliver the Contract Documents and any otherforms or bonds required by the Bid to PWC.
10. The Bidder is required to complete the attached forms that will allow PWC to verify that the Bidder is qualified to perform the Work described in these Contract Documents. All forms shall be completed and submitted with the Bid. Failure to submit all the required forms shall be considered grounds for PWC to reject the bid.

PWC will review all of the bids and qualification data to determine the lowest responsive, responsible Bidder. PWC reserves the right to not award the Contract to the lowest bidder if the information provided is not complete, does not meet the satisfaction of PWC, or has been falsified. PWC will not request any additional information in order to allow the Contractor to complete bid.

11. During the evaluation phase, bid submittals will be reviewed to ascertain which bids technically and otherwise address all the requirements of these Contract Documents. Bid submittals determined to be technically non-responsive or not sufficiently responsive may be disqualified.

    The Bidder shall address each of the Evaluation Criteria as requested in the Technical Evaluation Criteria Form located within Section A Project Specifics Bid Submittal Documents. To be considered substantive, the information must respond to all requirements.

12. PWC may conduct such investigations/verifications as deemed necessary to establish the responsibility, qualification and financial ability of the Bidder. Should PWC find that the apparent low bidder is not the lowest responsive, responsible bidder by integrity of the information furnished, said apparent low bidder will be so notified and its bid bond shall be returned without prejudice. Failure or refusal to furnish any items of information requested by PWC shall be considered as non-responsive and therefore basis for rejection of the bid.

R. TRANSITION ASSISTANCE

1. If a PWC Construction Agreement results from this solicitation, and said Agreement is not renewed at the end of the then current term or is terminated prior to its expiration for any reason, at the option of PWC, Bidder shall provide transition assistance to PWC for up to sux (6) months following termination or expiration of the Agreement to allow for the Services to continue without interruption or adverse effect, and to facilitate the orderly transfer of such Services to PWC or its designees. If PWC exercises this option, the Parties agree that such transition assistance shall be governed by the terms and conditions of the Agreement (notwithstanding this expiration or cancellation), except for those Agreement terms or conditions that do not reasonably apply to such transition assistance. PWC shall agree to pay the Bidder for any resources utilized in performing such transition assistance at the most current rates provided by the Bidder for performance of the Services or other resources utilized. Upon request of PWC, Bidder agrees to deliver an amendment to the Agreement in form and substance reasonably acceptable to the parties memorializing the extension of the term as contemplated above.

S. TAXES

1. The Successful Bidder shall pay all county, city, state and federal taxes required by laws in effect at the time Bids are received and resulting from the Work or traceable thereto, under whatever name levied.

2. Said taxes shall not be in addition to the contract price between PWC and the Successful Bidder. The taxes shall be an obligation of the Successful Bidder and not of PWC. PWC

shall be held harmless from same by the Successful Bidder.

T. PERFORMANCE AND OTHER BONDS

1. The PWC General Conditions set forth PWC's requirements as to Performance and other Bonds.

U. E-VERIFY REQUIREMENTS

1. Contractor hereby acknowledges that “E-Verify” is the federal E-Verify program operated by theUS Department of Homeland Security and other federal agencies which is used to verify the work authorization of newly hired employees pursuant to federal law and in accordance with Article 2, Chapter 64 of the North Carolina General Statutes.
2. Contractor further acknowledges that all employers, as defined by Article 2, Chapter 64 of the North Carolina General Statutes, must use E-Verify and after hiring an employee to work in the United States, shall verify the work authorization of the employee through E-Verify in accordance with NCGS §64-26(a).
3. Contractor hereby pledges, attests and warrants through execution of this Agreement that Contractor complies with the requirements of Article 2, Chapter 64 of the North Carolina General Statutes and further pledges, attests and warrants that any subcontractors currently employed byor subsequently hired by Contractor shall comply with any and all E-Verify requirements. Failure to comply with the above requirements shall be considered a breach of this Agreement.

V. IRAN DIVESTMENT ACT

1. As mandated by N.C.G.S. 147-86.59(a), the Contractor hereby certifies that it is not listed on the Final Divestment List created by the North Carolina State Treasurer pursuant to N.C.G.S. 147-86.58. Contractor further certifies that in accordance with N.C.G.S. 146-86.58(b) that it shall not utilize any subcontractor found on the State Treasurer's Final Divestment List. Contractor certifies that the signatory to this Purchase Order authorized by the Contractor to make the foregoing statement.

*** END OF SECTION ***

SECTION A – PROJECT SPECIFICS
BID SUBMITTAL DOCUMENTS

BID SCHEDULE – PERFORMANCE AND DELIVERY
FAYETTEVILLE PUBLIC WORKS COMMISSION
ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

Deadline for Questions from Bidders[1]	5:00 p.m., Thursday, November 6, 2025
Deadline for Addenda issued by PWC Procurement Department and Project Engineer[2]	5:00 p.m., Monday, November 10, 2025
Bid Opening (Submittal Deadline)	3:00 p.m., Thursday, November 20, 2025 Fayetteville Public Works Commission Administrative Building Conference Room 107 955 Old Wilmington Road Fayetteville, NC 28301
Target Commission Meeting	Wednesday, December 10, 2025
Target City Council Meeting	Monday, January 12, 2026
Contract Time:	The initial term of the Construction Agreement will be for one (1) year, starting on or around February 1, 2026. The agreement may be extended for up to two additional one-year periods, subject to mutual consent of both parties. The total duration of the agreement shall not exceed three (3) years.
Bid Acceptance Period	Within ninety (90) Calendar Days unless otherwise noted

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1. Questions regarding this bid must be submitted in writing to the attention of JoAnn Bowman, Procurement Advisor, by email to procurement@faypwc.com.

   Bidders are expressly prohibited from contacting any FPWC official or employee associated with this Invitation to Bid, except as noted above. Violation of this prohibition is grounds for the immediate disqualification of the bidder.

2. Any addenda to these Contract Documents will be issued by the Project Engineer no later than the date and time stated above.

BID SUBMITTAL CHECKLIST

- ☐ 1. Enter Contractor's License Number where called for in the Bid Form and on the outside of the sealed envelope containing the Bid.
- ☐ 2. Photocopy of Contractor's License.
- ☐ 3. Bid Bond
- ☐ 4. Bid Forms Section 00300.
- ☐ 5. Provide the responsible North Carolina Registered Agent for Insurance Claims. Include contact information.
- ☐ 6. Provide the proposed responsible Bonding Company name. Include contact information.
- ☐ 7. List of proposed Subcontractors and material suppliers exceeding 5% of the Contract Value.
- ☐ 8. Non-Collusive Affidavit.
- ☐ 9. Nondiscrimination Clause.
- ☐ 10. Affidavit of Organization and Authority and Sworn Statement.
- ☐ 11. Equal Employment Opportunity Acknowledgment.
- ☐ 12. Certification regarding Debarment, Proposed Debarment, and other Responsible Matters.
- ☐ 13. FTA Certification Regarding Lobbying.
- ☐ 14. Affidavit A – Listing of Good Faith Efforts, et al.
- ☐ 15. Affidavit B – (Only if the Contractor will perform **ALL ELEMENTS OF THE WORK** on this project with their own forces **AND** will complete **ALL ELEMENTS OF THIS PROJECT WITHOUT THE USE OF SUBCONTRACTORS, MATERIAL SUPPLIERS, OR PROVIDERS OF PROFESSIONAL SERVICES**.
- 16. NC DWI MBE/WBE (DBE) Compliance Supplementals and Attachments
- ☐ 17. SLS / MWDBE Disclosure Form

FAILURE TO SUBMIT THE ABOVE FORMS WITH THE BID FORM PROVIDED HEREIN MAY BE JUST CAUSE FOR REJECTION OF THE BID BY THE OWNER

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00300 - BID FORM

TO: **Fayetteville Public Works Commission**
Attn: JoAnn Bowman, Procurement Advisor
955 Old Wilmington Road
Fayetteville, North Carolina 28301

PROJECT: **PWC2526001** - **ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION**

FROM: BIDDER _____

ADDRESS _____

_____

DATE OF BID _____ , 20 ____

A. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into a Contract with OWNER in the form included in the Contract Documents to perform and furnish all Work (as that term is defined in the Construction Agreement) specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the Contract Documents.

B. BIDDER accepts all of the terms and conditions of the Instructions to Bidders, including, without limitation, those dealing with the disposition of payment and performance bonds, and insurance certificates. This bid will remain open for ninety (90) calendar days after the day of Bid opening. BIDDER will sign the Contract and submit the Contract Security and other documents required by the Contract Documents within ten (10) days after the date of receipt by the BIDDER.

C. In submitting this Bid, Bidder represents, as more fully set forth in the Contract, that:

1. BIDDER has examined copies of all the Contract Documents and of the following addenda, receipt of all which is acknowledged on the bid summary page:

2. BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state, and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress of performance of the work and has made such independent investigations as BIDDER deems necessary.

3. BIDDER acknowledges that OWNER does not assume responsibility for the accuracy of dimensions or completeness of information and data shown or indicated in the Bidding Documents with respect to existing facilities.

4. BIDDER has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the site of the Work (expect underground facilities) and all drawings of physical conditions in or relating to existing surface or

subsurface structures, pipelines, and utilities at or contiguous to the site are provided within these Contract Documents. Geotechnical Reports and other information regarding subsurface conditions are identified in the attached appendices and detailed in Article V of the PWC General Conditions. BIDDER acknowledges that the OWNER does not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Bidding Documents with respect to underground facilities at or contiguous to the site of Work. BIDDER had obtained and carefully studied (or assumes responsibility for have done so) all such additional or supplementary examinations investigations, explorations, tests, studies, and data that are necessary to identify and understand conditions (surface, subsurface, and underground facilities) at or contiguous to the site of Work or otherwise which may affect cost, progress, performance, or furnishing the Work or which relate to any aspect of means, methods, techniques, sequences, and procedures of construction to be employed by Bidder and safety precautions and programs incident thereto. BIDDER waives all rights to claim that any additional examinations, investigations, explorations, tests, studies, or data are necessary for the proper submission of the Bid for the performance and furnishing of the Work in accordance with the Contract Time, Contract Price, and other terms and conditions of the Contract Documents.

5. BIDDER hereby certifies that, if awarded the Contract for construction of the Project, it will take all possible actions to minimize costs to the OWNER which are related to any disruptions in any part of the Work resulting from unforeseeable conditions which may be encountered and work changes or additions which may be made.

6. BIDDER has correlated the information known to BIDDER, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, exploration, tests, studies, and data with the Contract Documents.

7. BIDDER has given OWNER written notice of all conflicts, errors, ambiguities, or discrepancies that BIDDER has discovered in the Contract Documents and the written resolution thereof by OWNER is acceptable to BIDDER, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Bid is submitted.

8. By bidding in response to this invitation, the BIDDER represents that in the preparation and submission of this Bid, said BIDDER did not, either directly or indirectly, enter into any combination or arrangement with any person, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1).

9. Bid form must be completed in blue or black ink or by typewriter. The Bid price of each item on the form must be stated in both words and numerals. In case of a

conflict, words shall take precedence. Discrepancies in the multiplication of units of work and unit prices will be resolved in favor of the correct multiplication of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

10. BIDDER understands that the award of contract will be made on the basis of the total Bid amount which will be determined as the sum of the unit price and lump sum Bid Items.

11. BIDDER understands that quantities are estimated and are not guaranteed; they are solely for comparing Bids and establishing the total Bid amount. The Price will be modified by Change Order, and final payment will be based on the quantities of work actually furnished and installed by the successful BIDDER.

12. BIDDER shall complete the Work for the prices indicated on the next page.

PUBLIC WORKS COMMISSION
Fayetteville North Carolina

OVERHEAD Specifications and Bid Documents - Labor and Equipment Contract
Annual Construction Services Contract

PWC2425058 OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 1 - POLES

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
NOAUGERD	HAND DIGGING, ADD'L DEPTH FOR POLE EXC (DIST.LABOR ONLY	1.1	5	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
PLUMBUP	STRAIGHTEN POLE TO VERTICAL	1.1	5	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
POLEHOLD	HOLD POLE FOR ADJACENT CONSTRUCTION (LABOR ONLY)	1.1	10	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
POLEKICK	LABOR REQUIRED TO KICK POLE 24" (LABOR ONLY)	1.1	2	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
PULLSTUBT	PULL OLD TRANS STUB POLE - RANDOM LOCATIONS (REMOVAL LABOR ONLY)	1.1	100	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
PULLSTUBRD	PULL OLD DIST STUB POLE - RANDOM LOCATIONS (REMOVAL LABOR ONLY)	1.1	300	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
PW30C3	POLE, WOOD, 30' CLASS 3-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW30C4	POLE, WOOD, 30' CLASS 4-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW30C5	POLE, WOOD, 30' CLASS 5	1.1	10	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PW30C6	POLE, WOOD, 30' CLASS 6-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW30C7	POLE, WOOD, 30' CLASS 7-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW35C3	POLE, WOOD, 35' CLASS 3	1.1	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PW35C4	POLE, WOOD, 35' CLASS 4 REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW35C5	POLE, WOOD, 35' CLASS 5	1.1	10	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PW35C6	POLE, WOOD, 35' CLASS 6-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW40C2	POLE, WOOD, 40' CLASS 2	1.1	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PW40C3	POLE, WOOD, 40' CLASS 3-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW40C4	POLE, WOOD, 40' CLASS 4	1.1	35	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 1 - POLES

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
PW40C5	POLE, WOOD, 40' CLASS 5-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW45C1	POLE, WOOD, 45' CLASS 1	1.1	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PW45C2	POLE, WOOD, 45' CLASS 2-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW45C3	POLE, WOOD, 45' CLASS 3	1.1	40	$0.00	$0.00	N/A	N/A	N/A	N/A		$0.00	$0.00	N/A	N/A	N/A	N/A	$0.00
PW45C3	POLE, WOOD, 45' CLASS 3	1.1	60	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW45C4	POLE, WOOD, 45' CLASS 4-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW45C5	POLE, WOOD, 45' CLASS 5-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW50C1	POLE, WOOD, 50' CLASS 1	1.1	5	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00

PW50C2	POLE, WOOD, 50' CLASS 2-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW50C3	POLE, WOOD, 50' CLASS 3	1.1	5	$0.00	$0.00	N/A	N/A	N/A	N/A		$0.00	$0.00	N/A	N/A	N/A	N/A	$0.00
PW50C3	POLE, WOOD, 50' CLASS 3	1.1	20	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW50C4	POLE, WOOD, 50' CLASS 4-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW55C1	POLE, WOOD, 55' CLASS 1	1.1	5	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PW55C2	POLE, WOOD, 55' CLASS 2 REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW55C3	POLE, WOOD, 55' CLASS 3	1.1	5	$0.00	$0.00	N/A	N/A	N/A	N/A		$0.00	$0.00	N/A	N/A	N/A	N/A	$0.00
PW55C3	POLE, WOOD, 55' CLASS 3	1.1	20	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW55C4	POLE, WOOD, 55' CLASS 4-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW60C1	POLE, WOOD, 60' CLASS 1	1.1	5	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PW60C2	POLE, WOOD, 60' CLASS 2-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
PW60C3	POLE, WOOD, 60' CLASS 3-REMOVAL	1.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
RCITYP	REMOVE "CITY OF FAYETTEVILLE' POLES <50'	1.1	5	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 1 - POLES

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
RECANT	ROTATE POLE TO 90 DEGREES (LABOR ONLY)	1.1	2	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
SAMEHOLE	SET NEW POLE IN OLD POLE HOLE (LABOR ONLY)	1.1	2	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
SAWPOLE	SAW TOP FROM POLE REMOVAL (LABOR ONLY)	1.1	25	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
SETDEEP	LABOR AND EQUIP REQUIRED TO EXCAVATE & SET POLE 1 FT DEEPER	1.1	10	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
TOPTREAT	POLE TOP TREATMENT	1.1	5	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
POLEDRILL	DRILL HOLES IN STEEL POLE (LABOR ONLY)	1.3	20	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
POLEDRILLD	DRILL HOLES IN DUCTILE IRON POLE (LABOR ONLY)	1.3	100	$0.00	N/A	N/A	N/A	N/A	N/A		$0.00	N/A	N/A	N/A	N/A	N/A	$0.00
PD45XX	POLE,DUCTILE IRON, 45'	1.3	20	$0.00	$0.00	N/A	N/A	N/A	N/A		$0.00	$0.00	N/A	N/A	N/A	N/A	$0.00
PD50XX	POLE,DUCTILE IRON, 50'	1.3	60	$0.00	$0.00	N/A	N/A	N/A	N/A		$0.00	$0.00	N/A	N/A	N/A	N/A	$0.00
PD55XX	POLE,DUCTILE IRON, 55'	1.3	20	$0.00	$0.00	N/A	N/A	N/A	N/A		$0.00	$0.00	N/A	N/A	N/A	N/A	$0.00
PS45042	POLE, TUBULAR GALVANIZED STEEL, 45', S-04.2	1.3	5	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PS45SP	POLE, STEEL, 45 CLASS - AS SPECIFIED (LABOR ONLY)	1.3	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PS50SP	POLE, STEEL, 50 CLASS - AS SPECIFIED (LABOR ONLY)	1.3	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PS55042	POLE,TUBULAR GALVANIZED STEEL, 55', S-04.2	1.3	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PS60042	POLE, TUBULAR GALVANIZED STEEL, 60', S-04.2	1.3	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PS60SP	POLE, STEEL, 60 CLASS - AS SPECIFIED (LABOR ONLY)	1.3	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PC45X1	POLE, CONCRETE, 45', CLASS 1	1.4	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
PC45X2	POLE, CONCRETE, 45', CLASS 2	1.4	2	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 2 - GROUNDING

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
GND110S	GROUNDING, DRIVEN, 1-10' ROD	2.1	2	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GND210S	GROUNDING, DRIVEN, 2 - 10' RODS	2.1	25	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GND28S	GROUNDING, DRIVEN, 2-8' RODS REMOVAL ONLY	2.1	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
GND310S	GROUNDING, DRIVEN, 3-10' RODS	2.1	2	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GND310S-SP	STEEL POLE, DRIVEN GROUND, 3-10' SECTIONS, #2 CU	2.1	5	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GND310ST	GROUNDING, DRIVEN, 3-10' RODS (TINNED)	2.1	5	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GND310ST-SP	STEEL POLE, DRIVEN GROUND, 3-10' SECTIONS, #2 CU (TINNED)	2.1	5	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GNDGRD1	GROUNDING, POLE REPLACEMENT, (For Repairing Pole Grounds)	2.1	10	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GNDPC2T	GROUND WIRE FOR CONCRETE POLES	2.1	2	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GNDPS2	GROUNDING, STEEL POLE TO GROUND ROD	2.1	10	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00
GND20APP	GROUNDING, 2/0 APPARATUS	2.2	10	N/A	$0.00	N/A	$0.00	N/A	N/A		N/A	$0.00	N/A	$0.00	N/A	N/A	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 3 - INSULATORS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
IDE600B	INSULATOR, SECONDARY DEADEND, PORCELAIN, 600V, W/ EYEBOLT	3.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IAA25C	INSULATOR, ANGLE ASSEMBLY, 25KV, W/ EYENUT	3.2	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IAA35C	INSULATOR, ANGLE ASSEMBLY, 35KV, W/ EYENUT	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IAA25CB	INSULATOR, ANGLE ASSEMBLY, 25KV, W/ EYEBOLT	3.2	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IAA35CB	INSULATOR, ANGLE ASSEMBLY, 35KV, W/ EYEBOLT	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IAA25P	INSULATOR, ANGLE ASSEMBLY, PORCELAIN, 25KV, W/ EYENUT REMOVA	3.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDDEC25	INSULATOR, DOUBLE DEADEND, 25KV	3.2	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDDEC35	INSULATOR, DOUBLE DEADEND, 35KV	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDE25H	INSULATOR, DEADEND, 25KV, HEAVY-DUTY (3-10" DISC)	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDE25H2	INSULATOR, DEADEND, 25KV, HEAVY DUTY	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDE25XC	INSULATOR, DEADEND, 25KV, EXTENDED, COMPOSITE	3.2	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDE25XP	INSULATOR, DEADEND, PORCELAIN, 25KV W/ EYENUT REMOVAL	3.2	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDEC25	INSULATOR, DEADEND, 25KV, W/EYENUT	3.2	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDEC35	INSULATOR, DEADEND, 35KV, W/EYENUT	3.2	300	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDEC25B	INSULATOR, DEADEND, 25KV, COMPOSITE, W/ EYEBOLT	3.2	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDEC35B	INSULATOR, DEADEND, 35KV, COMPOSITE, W/ EYEBOLT	3.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDEIL25	INSULATOR DEADEND, INLINE 25KV	3.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDEIL35	INSULATOR DEADEND, INLINE 35KV	3.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDEP15	INSULATOR, PORCELAIN DEADEND, 15KV REMOVAL	3.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDEP25	INSULATOR, DEADEND, PORCELAIN 25KV, W/ EYENUT	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDEP25M	INSULATOR, DEADEND, PORCELAIN, 25KV, W/ EYENUT (4 BELLS)REMO	3.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IDPTP25	INSULATOR, DOUBLE POLE TOP PIN, 25KV	3.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
INOFF18	INSULATOR, NEUTRAL OFFSET BRACKET, 7.5KV	3.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 3 - INSULATORS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
INSDLB25	DOWN LEAD BRACKET, INSULATED, 25KV	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IOBCT25	INSULATOR, CLAMP TOP, W/ OFFSET BRACKETS, 25KV	3.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IOBCT25A	INSULATOR, CLAMP TOP, W/ OFFSET BRACKETRS, 25KV	3.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IOBCT25B	INSULATOR, CLAMP TOP, W/ OFFSET BRACKET, 25KV	3.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IOBLP25	INSULATOR, TIE TOP, W/ OFFSET BRACKET, 25KV	3.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IOBLP25A	INSULATOR, TIE TOP, W/ OFFSET BRACKETS, 25KV	3.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

IOBLP25B	INSULATOR, TIETOP, W/ OFFSET BRACKET, 25KV	3.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPAA25	INSULATOR ON ANGLE PIN, 25KV	3.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPIA25	INSULATOR, PIN IN ARM, 25KV	3.2	15	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPIA35	INSULATOR, PIN IN ARM, 35KV	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPIP25	INSULATOR, PIN IN POLE, 25KV	3.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPIS25	INSULATOR, PIN IN STEEL, 25KV	3.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPIS35	INSULATOR, PIN IN STEEL, 35KV	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPTP35	INSULATOR, POLE TOP PIN, 35KV	3.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ISPACER	INSULATED SPACER	3.2	3	$0.00	$0.00	$0.00	$0.00	N/A	N/A		$0.00	$0.00	$0.00	$0.00	N/A	N/A	$0.00
ISPTP15	INSULATOR, SINGLE POLE TOP PIN, 15KV REMOVAL	3.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
ISPTP25	INSULATOR, SINGLE POLE TOP PIN, 25KV	3.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IWBC25	INSULATOR, WIDE BASE CLAMP, 25KV	3.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 3 - INSULATORS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
IXPTP25	INSULATOR, EXTENDED POLE TOP PIN, 25KV	3.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IAA600	INSULATOR, SECONDARY ANGLE ASSEMBLY, PORCELAIN, 600V, W/ EYE	3.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IAA600B	INSULATOR, SECONDARY ANGLE ASSEMBLY, W/ EYEBOLT	3.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDDE600	INSULATOR, DOUBLE DEADEND, SECONDARY, 600V	3.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IDE600	INSULATOR, DEADEND, 600V, SEC/NEUT	3.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPIA15	INSULATOR, PIN IN ARM, 15KV REMOVAL	3.3	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IPIA75	INSULATOR, PIN IN ARM, 7.5KV	3.3	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IPIP15	INSULATOR, PIN IN POLE, 15KV	3.3	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IPIS15	INSULATOR, PIN IN STEEL, 15KV REMOVAL	3.3	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IPIS75	INSULATOR, PIN IN STEEL, 7.5KV	3.3	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IPIS75L	INSULATOR, PIN IN STELL, 7.5KV, LONG SHANK	3.3	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
IRW600	INSULATED, REINFORCED WIREHOLDER (HOUSE KNOB)	3.3	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ISB600	INSULATOR, SECONDARY/NEUTRAL 600V W/ UPSET BOLT	3.3	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ISC3W600	INSULATOR, SECONDARY/NEUTRAL REMOVAL	3.3	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
ISC600	INSULATOR, SECONDARY/NEUTRAL	3.3	25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 4 - SWITCHES

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
SW1COLB	SWITCH, 100 A LB CUTOUT	4.1	15	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW2COLB	SWITCH, 200 A LB CUTOUT	4.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

SW6DED3	SWITCH, 600 A, 25 KV, DEADEND DISCONNECT	4.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
SW6DED4	SWITCH, 600 A, 25 KV, DEADEND DISCONNECT	4.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
SW6GOABH	SWITCH, GOAB, 25 KV, 600 A, HORIZONTAL	4.2	5	$0.00	$0.00	N/A	N/A	N/A	N/A		$0.00	$0.00	N/A	N/A	N/A	N/A	$0.00
SW6GOABH	SWITCH, GOAB, 25 KV, 600 A, HORIZONTAL	4.2	50	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
SW6GOABH-UB	SWITCH, GOAB, 25 KV, 600 A, HORIZONTAL- UNDERBUILD	4.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6GOABT	SWITCH, GOAB, 25 KV, 600 A, TRIANGULAR	4.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6GOABV	SWITCH, GOAB, 25 KV, 600 A, VERTICAL	4.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6ILD3	SWITCH, 600 A, 25 KV, INLINE	4.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6ILD4	SWITCH, 600 A, 25 KV, INLINE	4.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6LTD3	SWITCH, 600 A, 25 KV, LINE TAP FOR 336 AL.	4.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6LTD4	SWITCH, 600 A, 25 KV, LINE TAP FOR 477 AL.	4.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6LTDE	SWITCH, 600 A, 25 KV, DEADEND, LINE TAP	4.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
SW6LTIL	SWITCH, 600 A, 25 KV, INLINE, LINE TAP	4.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SW6RECBYPASS	SWITCH, 25 KV, 600 AMP, RECLOSER BYPASS ON FIBERGLASS ARM	4.2	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SWOPER25H	OPERATOR, MOTOR,AUTO, 25KV, HORIZ, ABS REMOVAL	4.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
MOABCTRL	MOAB SWITCH CONTROL (LABOR ONLY)	4.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SWRPVACINT600	VACUUM SWITCH INTERRUPTER FOR DIP POLE, 600 AMP	4.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 5 - ANCHORS & GUYS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
ANC10S	ANCHOR, 10", SCREW-REMOVAL ONLY	5.1	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
ANC15SH	ANCHOR, SINGLE HELIX	5.1	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC6S	ANCHOR, 6", SCREW	5.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
GRDPOSTD	GUARD POST, ANCHOR	5.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC125XT	ANCHOR ROD EXTENSION FOR SCREW ANCHOR-REMOVAL ONLY	5.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC15DHL	ANCHOR, DOUBLE HELIX, LONG EXTENSION	5.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC15DHS	ANCHOR, DOUBLE HELIX, SHORT EXTENSION	5.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC15THL	ANCHOR, TRIPLEX HELIX, LONG EXTENSION	5.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC15THS	ANCHOR, TRIPLE HELIX, SHORT EXTENSION	5.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC15XTH	EXTENSION, W/SINGLE HELIX ANCHOR	5.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC15XTL	EXTENSION, LONG FOR PISA	5.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ANC15XTS	EXTENSION, SHORT FOR PISA	5.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
E1-1EC-14	SINGLE DOWN GUY, BOLTED, 1/4"(FO CONST ONLY)	5.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
E1-1EC-38	SINGLE DOWN GUY, BOLTED, 3/8" HS	5.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
E1-1EC-76	SINGLE DOWN GUY, BOLTED, 7#6 AW	5.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
E1-1FEC-14	SINGLE INSULATED DOWN GUY, BOLTED, 1/4"(FO CONST ONLY)	5.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
E1-1FEC-38	SINGLE INSULATED DOWN GUY, BOLTED, 3/8" HS	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 5 - ANCHORS & GUYS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
E1-1FEC-76	SINGLE INSULATED DOWN GUY, BOLTED, 7#6 AW	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
E1-1SWEC-38	GUY, INSULATED, SIDEWALK, 3/8" HS	5.3	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
E1-1SWEC-76	GUY, INSULATED, SIDEWALK, 7#6 AW	5.3	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GFO14	GUY, 1/4" DOWN GUY FOR FIBER OPTIC CABLES	5.3	5	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
GN38	GUY, SECONDARY/NEUTRAL, 3/8" HSS	5.3	5	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
GP38L	GUY, PRIMARY POSITION, 3/8" W/LONG INSULINK	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GP38S	GUY, PRIMARY POSITION, 3/8" W/ SHORT INSULINK	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GPS38	GUY, PRIMARY POSITION, SIDEWALK, 3/8"	5.3	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
GPS7#6	GUY, PRIMARY POSITION, SIDEWALK, 7#6	5.3	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
GUY38D	GUY, DOWN, 3/8", DIAGONAL	5.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
GUY38DI	GUY, 3/8", DIAGONAL, INSULATED	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUY38S	GUY, SPAN, 3/8", HSS	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

GUY38SI	GUY, 3/8", DIST. SPAN, 24" GUY STRAIN INSULATOR	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUY38SIL	GUY, 3/8", DIST. SPAN, 60" GUY STRAIN INSULATOR	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUY76D	DOWN GUY, 7#6, DIAGONAL	5.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
GUY76DI	DOWN GUY, 7#6, DIAGONAL, INSULATED	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUY76S	GUY, 7#6 ALWD., TRANS. SPAN, HARDWARE	5.3	25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUY76SI	SPAN GUY, TRANSMISSION, 7#6 ALWD., 54" GUY STRAIN INSULATOR	5.3	25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 5 - ANCHORS & GUYS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
GUY76SIL	SPAN GUY, TRANSMISSION, 7#6 ALWD., 78" GUY STRAIN INSULATOR	5.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUYAW76	OH GUYSTRAND, 7#6 ALUMOWELD	5.3	200	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUYGALV14	OH GUYSTRAND, 1/4" GALV. STEEL, S.M. GRADE	5.3	250	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUYGALV38	OH GUYSTRAND, 3/8" GALV. HIGH STRENGTH STEEL	5.3	250	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA10D	GUY ATTACHMENT, #10,000, DIAGONAL	5.4	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA10H	GUY ATTACHMENT, #10,000, HORIZONTAL	5.4	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA10S	GUY ATTACHMENT, #10,000, STABILIZING	5.4	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA10T	GUY ATTACHMENT, #10,000, TRANSITIONAL	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA15T	GUY ATTACHMENT, #15,000, TRANSITIONAL	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA20D	GUY ATTACHMENT, #20,000, DIAGONAL	5.4	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA20H	GUY ATTACHMENT, #20,000, HORIZONTAL	5.4	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA20HD	GUY ATTACHMENT, #20,000 HEAVY DUTY	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA20S	GUY ATTACHMENT, #20,000, STABILIZING	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA20T	GUY ATTACHMENT, #20,000, TRANSITIONAL	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA20TB	GUY ATTACHMENT, #20,000, TRANSITIONAL, W/EYEBOLT	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GA20X	GUY ATTACHMENT, #20,000, EXTRA HEAVY DUTY	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GSDE14	GUYSTRAND DEADEND, 1/4"	5.4	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GSDE38	GUYSTRAND DEADEND, 3/8"	5.4	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GSDE76	GUYSTRAND DEADEND, 7#6	5.4	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
GUYMARKER-Y	DOWN GUY MARKER, YELLOW	5.4	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
IGUY24	INSULATED, GUYSTICK, 24" DISTRIBUTION	5.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IGUY54	INSULATED, GUYSTICK, 54", TRANSMISSION	5.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IGUY60	INSULATED, GUYSTICK, 60" DISTRIBUTION	5.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
IGUY78	INSULATED, GUYSTICK, 78", TRANSMISSION	5.5	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 6 - POLE LINE HARDWARE

Compatible Unit	Compatible Unit Description	Index	Estimated	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total

Compatible Unit	Compatible Unit Description	Section	Annual Usage	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
BKTCOLA1	BKT., CO/LA, 1-PHASE	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTCOLA3	BKT., CO/LA, 3-PHASE	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTFG021	BKT., FBG., 21", W/55-6 INSULATOR (SINGLE W/BOLTS)	6.1	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTFG21A	BKTS., FBG., 21", W/55-6 INSULATORS (BACK TO BACK)	6.1	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTFG21B	BKT., FBG., 21", W/55-6 INSULATOR (NO BOLTS)	6.1	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTMIF1	BKT., MIF (1 BOLT, 1 LAG)	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTMIF2	BRACKET, MIF	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTXA	BKT., NEMA XARM	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BKTXAL	BRACKET, EQUIPMENT	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CLSTBKTL	BKT., CLUSTER MOUNTING W/ EXTENSION	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CLSTBKTS	BKT., CLUSTER MOUNTING	6.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
MAPHDR	MAPHOLDER, PVC	6.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BRACEA	BRACE, XARM, ALLEY	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BRACEL	BRACE, XARM, LONG	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
BRACES	BRACE, XARM, SHORT	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAD10A	X-ARM, DOUBLE, 10' W/ ALLEY BRACES	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAD10L	X-ARM, DOUBLE 10' W/ LONG BRACES	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 6 - POLE LINE HARDWARE

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
XAD10LPX	X-ARM, DOUBLE 10' W/ LONG BRACES FOR POLE TOP EXTENSION	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAD8A	X-ARM, DOUBLE 8' W/ ALLEY BRACES	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAD8L	X-ARM, DOUBLE 8' W/ LONG BRACES	6.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAD8S	X-ARM, DOUBLE 8' W/ SHORT BRACES	6.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAD9A	CROSSARM, 9FT WOOD--REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAD9L	CROSSARM, 9FT WOOD--REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAF10	X-ARM, 10' FBG. REINFORCED	6.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAF4	X-ARM, FIBERGLASS 4' REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAM10	X-ARM, METAL 10'	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAM12D	X-ARM, METAL 12' (DIST. ONLY)	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAM5	X-ARM, DE, METAL 5' - REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAM88	X-ARM, METAL 88"	6.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAMD10	X-ARM, METAL, DOUBLE 10' (DIST. ONLY)	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAMD12D	X-ARM, METAL, DOUBLE 12' (DIST. ONLY)	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAS10A	X-ARM, SINGLE 10' W/ ALLEY BRACES	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAS10L	X-ARM, SINGLE 10' W/ LONG BRACES	6.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAS8A	X-ARM, SINGLE 8' W/ ALLEY BRACES	6.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAS8L	X-ARM, SINGLE 8' W/ LONG BRACES	6.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 6 - POLE LINE HARDWARE

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
XAS8S	X-ARM, SINGLE 8' W/ SHORT BRACES	6.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
XAS9A	CROSSARM, 9FT WOOD--REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAS9L	CROSSARM,9FT WOOD--REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAT8L	CROSSARM, 8FT WOOD--REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
XAT9L	CROSSARM, 9FT WOOD--REMOVAL ONLY	6.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
BAND1	STAINLESS STEEL POLE BAND	6.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BAND2B	POLE BAND	6.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
HLC40C	HOT LINE CLAMP UP TO 4/0	6.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
HLC477A	HOT LINE CLAMP 477 AND LARGER	6.3	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SQLGARD1	SQUIRREL/BIRD GUARD	6.3	25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SQLGARD3	SQUIRREL/BIRD GUARD W/ FUSE	6.3	15	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

STRPBOLT	BOLTED STIRRUP	6.3	20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
STRPBOLTSM	BOLTED STIRRUP	6.3	20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
STRPCOMP	COMPRESSION STIRRUP	6.3	10	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 7 - CONDUCTORS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
AAAC002	OH ALUMINUM, #2 (PRI. OR NEUT.)	7.1	500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AAAC010	OH ALUMINUM, #1/0 (PRI. OR NEUT.)	7.1	500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AAAC040	OH ALUMINUM, #4/0 (PRI. OR NEUT.)	7.1	500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AAAC355	OH ALUMINUM, #355 (PRI. OR NEUT.)(REMOVAL ONLY)	7.1	1500	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
AAC477	OH ALUMINUM, #477 (PRI. OR NEUT.)	7.1	1500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ACSR004	OH ALUMINUM, #4 (PRI. OR NEUT.)(REMOVAL ONLY)	7.1	500	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
ACSR336	OH ALUMINUM, #336 (PRI. OR NEUT.)	7.1	1500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2/0CUEXTRA8FT	CONDUCTOR, 2/0 AWG HARD DRAWN CU - 8 FEET FOR CONNECTION MAKE-UP	7.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
250CUEXTRA8FT	CONDUCTOR, 250 MCM SOFT DRAWN CU - 8 FEET FOR CONNECTION MAKE-UP	7.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CU002	OH COPPER, #2 (REMOVAL ONLY)	7.2	250	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
CU004	OH COPPER, #4 (REMOVAL ONLY)	7.2	250	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
CU006	OH COPPER, #6 (REMOVAL ONLY)	7.2	500	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
CU250	OH COPPER, #250 (PRI. OR NEUT.)(SEC. OR SERV.)-REMOVAL	7.2	250	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
AAAC010X	OH ALUMINUM, #1/0 (STREET LIGHTING CIRCUIT)	7.3	500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AAC010T	OH ALUMINUM, WTHRPRF #1/0, INSULATED FOR 15 KV (SLACK SPANS)	7.3	250	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AAC336T	OH ALUMINUM, WTHRPRF #336, INSULATED FOR 15 KV (SLACK SPANS)	7.3	250	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 7 - CONDUCTORS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
AAC355T	OH ALUMINUM, WTHRPRF #355, INSULATED FOR 15 KV (SLACK SPANS)	7.3	50	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
CLSNH040	OH COPPER POLYOLEFIN INSUL, #4/0 (SEC. OR SERV.)	7.3	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CLSNH500	OH COPPER POLYOLEFIN INSUL, #500 (SEC. OR SERV.)	7.3	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CU002T	OH COPPER, WTHRPRF #2 (REMOVAL ONLY)	7.3	50	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
CU004T	OH COPPER, WTHRPRF #4 (REMOVAL ONLY) (LABOR ONLY	7.3	50	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
CU006T	OH COPPER, WTHRPRF #6 (REMOVAL ONLY) (LABOR ONLY	7.3	250	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
CU020T	OH COPPER, WTHRPRF #2/0 (REMOVAL ONLY)	7.3	100	N/A	N/A	$0.00	$0.00	$0.00	$0.00		N/A	N/A	$0.00	$0.00	$0.00	$0.00	$0.00
AQPX002	QUAD., AL., #2	7.4	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AQPX020	QUAD., AL., #2/0	7.4	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AQPX040	QUAD., AL., #4/0	7.4	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

ATPX002	TRIPLEX, AL., #2	7.4	500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ATPX004	TRIPLEX, AL., #4--REMOVAL ONLY	7.4	500	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
ATPX006	TRIPLEX, AL., #6	7.4	500	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ATPX020	TRIPLEX, AL., #2/0	7.4	250	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ATPX040	TRIPLEX, AL., #4/0	7.4	250	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AXLP500	500 MCM POLYETHYLENE INSULATED (FOR QUAD)	7.4	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
AXLP750	750 MCM POLYETHYLENE INSULATED (FOR QUAD)	7.4	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J002AC	JUMPER, #2 AL. W/PARALLEL GROOVE COMPRESSION CONNECTORS	7.5	60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 7 - CONDUCTORS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
J010AC	JUMPER, #1/0 AL. W/PARALLEL GROOVE COMPRESSION CONNECTORS	7.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J040AC	JUMPER, #4/0 AL. W/PARALLEL GROOVE COMPRESION CONNECTORS	7.5	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J20C	JUMPER, #2/0 CU. W/PARALLEL GROOVE COMPRESSION CONNECTORS	7.5	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J250C	JUMPER, #250 CU. W/PARALLEL GROOVE COMPRESSION CONNECTORS	7.5	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J2C	JUMPER, #2 CU. W/PARALELL GROOVE COMPRESSION CONNECTORS	7.5	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J2CS	JUMPER, #2 CU. FOR BONDING STATIC OR NEUTRAL ON STEEL POLE	7.5	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J2CT	JUMPER, #2 CU. TINNED, WPARALLEL GROOVE COMP CONNECTORS	7.5	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J336AC	JUMPER, #336 AL. W/PARALLEL GROOVE COMPRESSION CONNECTORS	7.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J336AT	JUMPER, #336 AL. W/NEMA BOLTED TERMINALS	7.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J477AC	JUMPER, #477 AL. W/PARALLEL GROOVE COMPRESSION CONNECTORS	7.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J477AT	JUMPER, #477 AL. W/NEMA BOLTED TERMINALS	7.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
J4C	JUMPER, #4 CU. W/PARALLEL GROOVE COMPRESSION CONNECTORS	7.5	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
500CUEXTRA8FT	CONDUCTOR, 500 MCM SOFT DRAWN BARE CU - 8 FEET FOR CONNECTION MAKE-UP	7.6	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CXLP350	OH COPPER XLP INSULATED, #350 (SEC. OR SERV.)	7.6	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CXLP500	OH COPPER XLP INSULATED, #500 (SEC. OR SERV.)	7.6	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CXLP600	OH COPPER XLP INSULATED, #600 (SEC. OR SERV.)	7.6	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 8 - CONDUCTOR ATTACHMENTS & CONNECTIONS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
ARMROD10	ARMOR ROD FOR 1/0 CONDUCTOR	8.3	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ARMROD336	ARMOR ROD FOR 336 CONDUCTOR	8.3	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ARMROD40	ARMOR ROD FOR 4/0 CONDUCTOR	8.3	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
ARMROD477	ARMOR ROD FOR 477 CONDUCTOR	8.3	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 9 - TRANSFORMERS (OVERHEAD)

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
T100S1A	TRANSFORMER, CSP, 100KVA, 12.47GRDY/7.2-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100S4A	TRANSFORMER, CSP, 100KVA, 24.94GRDY/14.4-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100S5A	XFMR, CSP, 100KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240 REM	9.1	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T100S6A	XFMR, CSP, 100KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240 REM	9.1	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T10S1A	TRANSFORMER, CSP, 10 KVA, 12.47GRDY/7.2-120/240	9.1	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T10S4A	TRANSFORMER, CSP, 10 KVA, 24.94GRDY/14.4-120/240	9.1	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T10S5A	XFMR, CSP, 10 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T10S6A	XFMR, CSP, 10 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T15S1A	TRANSFORMER, CSP, 15 KVA, 12.47GRDY/7.2-120/240	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T15S4A	TRANSFORMER, CSP, 15 KVA, 24.94GRDY/14.4-120/240	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T15S5A	XFMR, CSP, 15 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T15S6A	XFMR, CSP, 15 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167S1A	TRANSFORMER, CSP, 167KVA, 12.47GRDY/7.2-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167S4A	TRANSFORMER, CSP, 167 KVA, 24.94GRDY/14.4-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25S1A	XFMR, CSP, 25 KVA, 12.47GRDY/7.2 - 120/240	9.1	25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25S4A	XFMR, CSP, 25 KVA, 24.94GRDY/14.4 - 120/240	9.1	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25S5A	XFMR, CSP, 25 KVA, 24.94GRDY/14.4X12.47GRDY/7.2 - 120/240	9.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25S5E	XFMR, CSP, 25 KVA, 24.94GRDY/14.4X12.47GRDY/7.2 - 120	9.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 9 - TRANSFORMERS (OVERHEAD)

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
T25S6A	XFMR, CSP, 25 KVA, 24.94GRDY/14.4X12.47GRDY/7.2 - 120/240	9.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25S6E	XFMR, CSP, 25 KVA, 24.94GRDY/14.4X12.47GRDY/7.2 - 120	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T37S1A	XFMR, CSP, 37.5 KVA, 12.47GRDY/7.2 - 120/240 REMOVAL ONLY	9.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T3S1A	XFMR, CSP, 3 KVA, 12.47GRDY/7.2 - 120/240 REMOVAL ONLY	9.1	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T50S1A	TRANSFORMER, CSP, 50 KVA, 12.47GRDY/7.2-120/240	9.1	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50S4A	TRANSFORMER, CSP, 50 KVA, 24.94GRDY/14.4-120/240	9.1	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50S5A	XFMR, CSP, 50 KVA, 29.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50S5E	TRANSFORMER, CSP, 50 KVA, 24.94GRDY/14.4X12.47Y/7.2-120	9.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50S6A	XFMR, CSP, 50 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50S6E	XFMR, CSP, 50KVA, 24.94GRDY/14.4X12.47Y/7.2-120	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T5S1A	TRANSFORMER, CSP, 5 KVA, 12.47GRDY/7.2-120/240	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T5S5A	XFMR, CSP, 5 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/24	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T5S6A	XFMR, CSP, 5 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75S1A	TRANSFORMER, CSP, 75 KVA, 12.47GRDY/7.2-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75S4A	TRANSFORMER, CSP, 75 KVA, 24.94GRDY/14.4-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75S5A	XFMR, CSP, 75 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75S6A	XFMR, CSP, 75 KVA, 24.94GRDY/14.4X12.47GRDY/7.2-120/240	9.1	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T7S1A	TRANSFORMER, CSP, 7.5 KVA, 12.47GRDY/7.2-120/240	9.1	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 9 - TRANSFORMERS (OVERHEAD)

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
T100V1A	TRANSFORMER, CONV, 100KVA, 7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V2F	TRANSFORMER, CONV, 100KVA, 12.0-277 (REMOVAL ONLY)	9.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T100V3A	TRANSFORMER, CONV, 100KVA, 13.2/22.86Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V3F	TRANSFORMER, CONV, 100KVA, 13.2/22.86Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V4A	TRANSFORMER, CONV, 100 KVA, 14.4/24.94-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V5A	TRANSFORMER, CONV, 100 KVA, 14.4/24.94YX7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V5F	TRANSFORMER, CONV, 100 KVA, 14.4/24.94YX7.2/12.47Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V6A	TRANSFORMER, CONV, 100 KVA, 14.4/24.94YX7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V6F	TRANSFORMER, CONV, 100 KVA, 14.4/24.94YX7.2/12.47Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V8A	TRANSFORMER, CONV, 100 KVA, 24.94X12.47-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T100V9A	TRANSFORMER, CONV, 100 KVA, 24.94X12.47-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

T10V1A	TRANSFORMER, CONV, 10 KVA, 7.2/12.47Y-120/240	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T10V4A	TRANSFORMER, CONV, 10 KVA, 14.4/24.94Y-120/240	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T15V1A	TRANSFORMER, CONV, 15 KVA, 7.2/12.47Y-120/240 REMOVAL ONLY	9.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T15V1D	TRANSFORMER, CONV, 15 KVA, 7.2/12.47Y-240/480	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T15V5D	TRANSFORMER, CONV, 15 KVA, 24.94GRDY/14.4X12.47GRDY/7.2	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T15V6D	TRANSFORMER, CONV, 15 KVA, 24.94GRDY/14.4X12.47GRDY/7.2	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V1A	TRANSFORMER, CONV, 167 KVA, 7.2/12.42Y-120/240	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 9 - TRANSFORMERS (OVERHEAD)

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
T167V2F	TRANSFORMER, CONV, 167 KVA, 12.0-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V3A	TRANSFORMER, CONV, 167 KVA, 13.2/22.86Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V3F	TRANSFORMER, CONV, 167 KVA, 13.2/22.86Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V4A	TRANSFORMER, CONV, 167 KVA, 14.4/24.94Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V5A	TRANSFORMER, CONV, 167 KVA, 14.4/24.94YX7.2/12.4Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V5F	TRANSFORMER, CONV, 167 KVA, 14.4/24.94YX7.2/12.47Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V6A	TRANSFORMER, CONV, 167 KVA, 14.4/24.94YX7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V6F	TRANSFORMER, CONV, 167 KVA, 14.4/24.94YX7.2/12.47Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V8A	TRANSFORMER, CONV, 167 KVA, 24.94 X 12.47 - 120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T167V9A	TRANSFORMER, CONV, 167 KVA, 24.94 X 12.47 - 120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T250V1A	XFMR, CONV, 250 KVA, 7.2/12.42Y - 120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T250V2A	XFMR, CONV, 250 KVA, 12.0 - 120/240 REMOVAL ONLY	9.2	1	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T250V2F	XFMR, CONV, 250 KVA, 12.0 - 277	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T250V3A	XFMR, CONV, 250 KVA, 13.2/22.86Y - 120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T250V4A	XFMR, CONV, 250 KVA, 14.4/24.94Y - 120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25V1A	XFMR, CONV, 25 KVA, 7.2/12.47Y - 120/240	9.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25V1D	XFMR, CONV, 25 KVA, 7.2/12.47Y - 240/480	9.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25V3A	XFMR, CONV, 25 KVA, 13.2/22.86Y - 120/240	9.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 9 - TRANSFORMERS (OVERHEAD)

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
T25V4A	XFMR, CONV, 25 KVA, 14.4/24.94Y - 120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25V4D	XFMR, CONV, 25 KVA, 7.2/12.47Y - 240/480	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25V8A	XFMR, CONV, 25 KVA, 24.94X12.47 - 120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T25V9A	XFMR, CONV, 25 KVA, 24.94X12.47 - 120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

T333V1A	XFMR, CONV, 333 KVA, 7.2/12.47Y - 120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T333V2F	XFMR, CONV, 333 KVA, 12.0 - 277 REMOVAL ONLY	9.2	1	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T333V3A	XFMR, CONV, 333 KVA, 13.2/22.86Y - 120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T333V3F	XFMR, CONV, 333 KVA, 13.2/22.86Y - 277	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T333V4A	XFMR, CONV, 333 KVA, 14.2/24.94Y - 120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T37V1A	XFMR, CONV, 37.5 KVA, 7.2/12.47Y - 120/240 REMOVAL ONLY	9.2	1	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T500V1A	TRANSFORMER, CONV, 500 KVA, 7.2/12.42Y-120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T500V2F	TRANSFORMER, CONV, 500 KVA, 12.0-277	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T500V3F	TRANSFORMER, CONV, 500 KVA, 13.2/22.86Y-277	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T500V4A	TRANSFORMER, CONV, 500 KVA, 14.4/24.94Y-120/240	9.2	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V0A	TRANSFORMER, CONV, 50 KVA, 2.4/4.16Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V1A	TRANSFORMER, CONV, 50 KVA, 7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V1F	TRANSFORMER, CONV, 50 KVA, 7.2-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V2F	TRANSFORMER, CONV, 50 KVA, 12.0-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 9 - TRANSFORMERS (OVERHEAD)

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
T50V3A	TRANSFORMER, CONV, 50 KVA, 13.2/22.86Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V3F	TRANSFORMER, CONV, 50 KVA, 13.2/22.86Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V3G	TRANSFORMER, CONV, 50 KVA, 13.2/22.86Y-2.4	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V4A	TRANSFORMER, CONV, 50 KVA, 14.4/24.94Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V5A	TRANSFORMER, CONV, 50 KVA, 14.4/24.94YX7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V5F	TRANSFORMER, CONV, 50 KVA, 14.4/24.94YX7.2/12.47Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V6A	TRANSFORMER, CONV, 50 KVA, 14.4/24.94YX7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V6F	TRANSFORMER, CONV, 50 KVA, 14.4/24.94YX7.2/12.4Y-277	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V8A	TRANSFORMER, CONV, 50 KVA, 24.94X12.47-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T50V9A	TRANSFORMER, CONV, 50 KVA, 24.94X12.47-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T5V1A	TRANSFORMER, CONV, 5 KVA, 7.2/12.4Y-120/240 REMOVAL ONLY	9.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T75V1A	TRANSFORMER, CONV, 75 KVA, 7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75V3A	TRANSFORMER, CONV, 75 KVA, 13.2/22.86Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75V4A	TRANSFORMER, CONV, 75 KVA, 14.4/24.94Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75V5A	TRANSFORMER, CONV, 75 KVA, 14.4/24.94YX7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75V5F	TRANSFORMER, CONV, 75 KVA, 14.4/24.94YX7.2/12.47Y-277 REMOVE	9.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T75V6A	TRANSFORMER, CONV, 75 KVA, 14.4/24.94YX7.2/12.47Y-120/240	9.2	3	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
T75V6F	TRANSFORMER, CONV, 75 KVA, 14.4/24.94YX7.2/12.47Y-277 REMOVE	9.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T75V8A	TRANSFORMER, CONV, 75 KVA, 24.94X12.47-120/240 REMOVAL ONLY	9.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
T75V9A	TRANSFORMER, CONV, 75 KVA, 24.94X12.47-120/240 REMOVAL ONLY	9.2	3	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
THALFV1E	TRANSFORMER, CONV, 1/2 KVA, 12.47GRDY/7.2-120	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
THALFV4E	TRANSFORMER, CONV, 1/2 KVA, 24.94GRDY/14.4-120	9.2	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 10 - CONDUCTOR CONNECTOR COMPLEMENT (OVERHEAD)

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
CC1LG	COND. CMPLMT., OH, 167 KVA THRU 500 KVA	10.1	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CC1LGF	COND. CMPLMT., OH, 167 KVA THRU 500 KVA W/ COMPANION FUSE	10.1	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CC1MD	COND. CMPLMT., OH, 75 KVA THRU 100 KVA	10.1	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CC1MDF	COND. CMPLMT., OH, 75 KVA THRU 100 KVA W/ COMPANION FUSE	10.1	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CC1SM	COND., CMPLMT., OH 1/2 KVA THRU 50 KVA	10.1	75	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CC1SMF	COND., CMPLMT., OH 1/2 KVA THRU 50 KVA W/ COMPANION FUSE	10.1	25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 12 - FOUNDATIONS & PADS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
PLAT16	PLATFORM, ALUMINUM, 16'	12.1	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
PLAT22	PLATFORM, ALUMINUM, 22'	12.1	1	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 15 - SWITCHES

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
SWVCR600E15	RECLOSER, 600A, 15 KV, 3-PHASE, TRIPLE/SINGLE, ELECTRONIC	15.2	75	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SWVCR6003E	RECLOSER, 600A, 25 KV, 3-PHASE, TRIPLE/SINGLE, ELECTRONIC	15.2	25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 21 - LIGHTING

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
L10S212P	LUMINAIRE, 100W HPS, TYPE II, 120V, W/PHOTOCONTROL	21.1	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L10S512P	LUMINAIRE, 100W HPS, TYPE V, 120V, W/PC	21.1	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L10SAM3N	LUMINAIRE, 100W HPS, ACORN TYPE III, MULTI-VOLT	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L10SRM1P	LUMINAIRE, 100W HPS, TYPE II, CUTOFF MULTI-VOLT W/PC	21.1	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L130E2M1P	LUMINAIRE, LED, ROADWAY, TYPE II MED DIST, 130w	21.1	550	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L130E3M1P	LUMINAIRE, LED, ROADWAY, TYPE III MED DIST, 130W	21.1	550	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L14E2M1P	LUMINAIRE,LED,ROADWAY,TYPE II MED DIST,14,000 LUMENS	21.1	5	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
L15S324P	LUMINAIRE, 150W HPS, TYPE III, 240V, W/PHOTOCONTROL	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L175HEAD	LUMINAIRE, 175W HG, TYPE V, 120V, HEAD(REMOVE/TRANSFER ONLY)	21.1	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
L17M212P	LUMINAIRE, 175W HG, TYPE II, 120V, W/PC (REMOVAL ONLY)	21.1	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
L17M512P	LUMINAIRE, 175W HG, TYPE V, 120V, W/PC (REMOVAL ONLY)	21.1	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
L180E3M1P	LUMINAIRE, LED, ROADWAY, TYPE III MEDIUM DISTRIBUTION, 180W	21.1	25	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L200E2M1P	LUMINAIRE, LED, ROADWAY, TYPE II DIST, 200W	21.1	550	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L200E3M1P	LUMINAIRE, LED, ROADWAY, TYPE III MED DISTRIBUTION, 200W	21.1	550	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L240EFM1P	LUMINAIRE, LED, FLOODLIGHT, 6X5 DISTRIBUTION, SMALL, GRAY, 240W	21.1	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L25S212P	LUMANAIRE, 250W HPS, TYPE II, 120V, W/PHOTOCONTROL	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 21 - LIGHTING

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
L25S324N	LUMINAIRE, 250W HPS, TYPE III, 240V	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L25SCM1P	LUMINAIRE, 250W HPS, CUTOFF, TYPE III, MULTI-VOLT, W/PC	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

L320EFM1P	LUMINAIRE, LED, FLOODLIGHT, 6X5 DISTRIBUTION, LARGE, GRAY, 320W	21.1	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L40H3M1P	LUMINAIRE, 400W MH, TYPE III, MULTI-VOLT,W/PC (REMOVAL ONLY)	21.1	2	N/A	N/A	N/A	$0.00	N/A	$0.00		N/A	N/A	N/A	$0.00	N/A	$0.00	$0.00
L40HF12P	LUMINAIRE, 400W MH, FLOODLIGHT, 120V, W/PHOTOCONTROL	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L40S324N	LUMINAIRE, 400W HPS, TYPE III, 240 V	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L40S348N	LUMINAIRE, 400W HPS, TYPE III, 480V	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L40S3M1P	LUMINAIRE, 400W HPS, TYPE III, MULTI-VOLT, W/PHOTOCONTROL	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L40SCM3N	LUMANAIRE, 400W HPS, CUTOFF, TYPE III, MULTI-VOLT	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L40SF12P	LUMINAIRE, 400W HPS, FLOODLIGHT, 120V, W/PHOTOCONTROL	21.1	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L50E2M1P	LUMINAIRE, LED, ROADWAY, TYPE II, 50 W	21.1	475	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
L50E3M1P	LUMINAIRE, LED, ROADWAY, TYPE III, 50 W	21.1	475	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L50E5M1P	LUMINAIRE, LED, SECURITY, TYPE V DISTRIBUTION, 50 W	21.1	50	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L60E4M1P	LUMINAIRE, LED, ROADWAY, TYPE IV, M-VOLT, 60 W	21.1	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L60E5M1P	LUMINAIRE,LED,AREA,TYPE V DISTRIBUTION	21.1	5	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
L67E3M1P	LUMINAIRE, LED, ROADWAY, TYPE III, M-VOLT, 67 W	21.1	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L70E2M1P	LUMINAIRE, LED, ROADWAY, TYPE II, M-VOLT, 70 W	21.1	1025	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
L70E3M1P	LUMINAIRE, LED, ROADWAY, TYPE III, M-VOLT, 70 W	21.1	1025	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 21 - LIGHTING

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
LX1HFM1P	LUMINAIRE, 1000W, MH, FLOODLIGHT, MULTI-VOLT, W/PHOTOCONTROL	21.1	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
LX1SFM1P	LUMINAIRE, 1000W HPS, FLOODLIGHT, MULTI-VOLT, W/PHOTOCONTROL	21.1	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
PCG	PHOTOCONTROL, LONG LIFE, ELECTRONIC, 3-WIRE, 120-277V, GREEN	21.2	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCH	PHOTO CONTROL, HIGH	21.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCO	PHOTO CONTROL, OPEN	21.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCR030A	PHOTOCONTROL RELAY, 30 A, 120 V	21.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCR030D	PHOTOCONTROL RELAY, 30 A, 480 V	21.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCR060D	PHOTOCONTROL RELAY, 60 A, 240/480 V	21.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCR100A	PHOTOCONTROL RELAY, 100 A, 120/240 V	21.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCR100D	PHOTOCONTROL RELAY, 100 A, 240/480 V	21.2	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
PCS	PHOTO CONTROL, SHORTING	21.2	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL020PF	BKT., FLOODLIGHT, 20" X 2"	21.3	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL030P5	BKT., LIGHTING, 30" X 1 1/4"	21.3	25	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL030T8	BKT., LIGHTING, 30" X 2", TAPERED	21.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL048F8A	BKT., LIGHTING, 4' X 2", FLAT SURFACE W/BOLTS	21.3	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL048F8B	BKT., LIGHTING, 4' X 2", FLAT SURFACE W/LAG SCREWS	21.3	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL048P5	BKT., LIGHTING, 48" X 1 1/4" REMOVAL ONLY	21.3	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00

BL072P8	BKT., LIGHTING, 6' X 2", WOOD POLE MOUNT	21.3	25	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 21 - LIGHTING

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
BL072T8	BKT., LIGHTING, 6' X 2", TAPERED	21.3	25	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL096P8	BKT., LIGHTING, 8' X 2", WOOD POLE MOUNT (UPSWEEP)	21.3	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL120P8	BKT., LIGHTING, 10' X 2", WOOD POLE MOUNT REMOVAL ONLY	21.3	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
BL144P5	BKT., LIGHTING, 12' X 1 1/4" REMOVAL ONLY	21.3	5	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
BL144P8	BKT., LIGHTING, 12' X 2", WOOD POLE MOUNT	21.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL144T8	BKT., LIGHTING, 12' X 2", TAPERED	21.3	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL180P8	BKT., LIGHTING, 15' X 2", WOOD POLE MOUNT (UPSWEEP)	21.3	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
BL192P5	BKT., LIGHTING, 16' X 1 1/4" REMOVAL ONLY	21.3	2	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
BL216P8	BKT., LIGHTING, 18' X 2", WOOD POLE MOUNT	21.3	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 22 - SURGE ARRESTERS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
LA10	LIGHTNING ARRESTOR, 10 KV, HEAVY DUTY	22.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA10RP	LIGHTNING ARRESTOR, 10 KV, RISER POLE	22.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA10SD	LIGHTNING ARRESTORS, 10 KV, STANDARD DUTY	22.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA10SW	LIGHTNING ARRESTORS, 10 KV, SWITCH POLE	22.2	15	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA21	LIGHTNING ARRESTOR, 21 KV, HEAVY DUTY	22.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA21RP	LIGHTNING ARRESTOR, 21 KV, RISER POLE	22.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA21SD	LIGHTNING ARRESTOR, 21 KV, STANDARD DUTY	22.2	10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA21SW	LIGHTNING ARRESTOR, 21 KV, SWITCH POLE	22.2	6	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LA310	LIGHTNING ARRESTORS, 3-10 KV REMOVAL ONLY	22.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
LA321	LIGHTNING ARRESTORS, 3-21 KV REMOVAL ONLY	22.2	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 23 - CAPACITORS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
CAPBKCTRLA	CAPACITOR BANK CONTROL, AVG VOLTS REMOVAL ONLY	23.1	5	N/A	N/A	N/A	$0.00	N/A	N/A		N/A	N/A	N/A	$0.00	N/A	N/A	$0.00
CAPBKCTRLD	CAPACITOR BANK CONTROL, DIGITAL	23.1	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB300D12	CAPACITOR BANK, 300 KVAR, 12KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB300F12	CAP. BANK, FIXED 300 KVAR, 12KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB450D25	CAPACITOR BANK, 450 KVAR, 25KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB450F12	CAP. BANK, FIXED 450 KVAR, 12KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB600D12	CAPACITOR BANK, 600 KVAR, 12KV, POLE -MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB600F12	CAP. BANK, FIXED 600 KVAR, 12KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB600F25	CAP. BANK, FIXED 600 KVAR, 25KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB900D25	CAPACITOR BANK, 900 KVAR, 25KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB900F25	CAP. BANK, FIXED 900 KVAR, 25KV, POLE MNTD - BANK	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
CB12XS12	CAPACITOR. BANK, 3-PH, 1200 KVAR, 12KV, SWITCHED, 200 KVAR CANS, POLE MNTD - BANK(COMPLETE UNIT INCLUDING	23.2	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 30 - FIBER OPTICS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
ADSS006	ADSS (SELF SUPPORTED), 6 FIBERS	30	1000	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ADSS006L	ADSS (LASHED), 6 FIBERS	30	1000	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

ADSS024	ADSS (SELF SUPPORTED), 24 FIBERS	30	1000	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ADSS024L	ADSS (LASHED), 24 FIBERS	30	1000	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ADSS144	ADSS (SELF SUPPORTED), 144 FIBERS	30	1000	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
ADSS144L	ADSS (LASHED), 144 FIBERS	30	1000	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FACD006	FIBER OPTIC DEADEND, 6 FIBER COUNT	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FACD024	FIBER OPTIC DEADEND, 24 FIBER COUNT	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FACD144	FIBER OPTIC DEADEND, 144 FIBER COUNT	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FACT006	FIBER OPTIC CONST., LARGE ANGLE	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FACT024	FIBER OPTIC CONST., LARGE ANGLE	30	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FACT144	FIBER OPTIC CONST., LARGE ANGLE	30	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FADDE	FIBER OPTIC DOUBLE DEADEND	30	10	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FADE	FIBER OPTIC DEADEND	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FCBLMKR	FIBER OPTIC CABLE MARKER	30	100	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FDLC006	FIBER OPTIC DOWN LEAD CLAMP FOR 6 FIBER COUNT	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FDLC024	FIBER OPTIC DOWN LEAD CLAMP FOR 24 FIBER COUNT	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
FDLC144	FIBER OPTIC DOWN LEAD CLAMP FOR 144 FIBER COUNT	30	5	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP 30 - FIBER OPTICS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
FENC06A	FIBER OPTIC SPLICE ENCLOSURE, AERIAL HANGING, 6"	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FENC06P	FIBER OPTIC SPLICE ENCLOSURE, POLE MOUNT, 6"	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FENC08A	FIBER OPTIC SPLICE ENCLOSURE, AERIAL HANGING, 8"	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FENC08P	FIBER OPTIC SPLICE ENCLOSURE, POLE MOUNT, 8"	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FOLW45	FIBER OPTIC LASHING WIRE, .045"	30	2000	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FPWPT	FIBER PANEL, WALL MOUNT	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FSPL006	FIBER SPLICE 6 COUNT FIBER (LABOR ONLY)	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FSPL024	FIBER SPLICE 24 COUNT FIBER (LABOR ONLY)	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FSPL144	FIBER SPLICE 144 COUNT FIBER (LABOR ONLY)	30	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

ASSEMBLY GROUP XX - MISCELLANEOUS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
TCNTRYLKS	TRANSFER "CENTURYLINK" ATTACHMENT (SIMPLE)	Misc.	5	N/A	N/A	N/A	N/A	N/A	$0.00		N/A	N/A	N/A	N/A	N/A	$0.00	$0.00
TMTRNETS	TRANSFER "METRONET" ATTACHMENT (SIMPLE)	Misc.	5	N/A	N/A	N/A	N/A	N/A	$0.00		N/A	N/A	N/A	N/A	N/A	$0.00	$0.00
TOTHERSS	TRANSFER "OTHERS" ATTACHMENT (SIMPLE)	Misc.	5	N/A	N/A	N/A	N/A	N/A	$0.00		N/A	N/A	N/A	N/A	N/A	$0.00	$0.00

TPWCFBRS	TRANSFER "PWC" FIBER ATTACHMENT (SIMPLE)	Misc.	5	N/A	N/A	N/A	N/A	N/A	$0.00		N/A	N/A	N/A	N/A	N/A	$0.00	$0.00
TSPCTRMS	TRANSFER "SPECTRUM" ATTACHMENT (SIMPLE)	Misc.	5	N/A	N/A	N/A	N/A	N/A	$0.00		N/A	N/A	N/A	N/A	N/A	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

DISTRIBUTION FRAMING STANDARDS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
VA1EC	PRIMARY, 1PH SINGLE SUPPORT, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA2EC	PRIMARY, 1PH DBL SUPPORT, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA3EC	PRIMARY, 1PH SUSPENSION STRUCTURE, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA4EC	PRIMARY, 1PH DEADEND STRUCTURE, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA5-1EC	PRIMARY, 1PH TAP, 25KV	DS	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
VA5-2EC	PRIMARY, 1PH TAP, OFFSET, 25KV	DS	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
VA5-4EC	PRIMARY, 1PH TAP OFF DEADEND 25KV	DS	5	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
VA5EC	PRIMARY, 1PH DEADEND STRUCTURE, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA6EC	PRIMARY, 1PH DBL DEADEND , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA7EC	CROSSARM CONST, PRI, 1PH DEADEND, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA8EC	CROSSARM CONST, PRI, 1PH DBL DEADEND, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA9-1EC	CROSSARM CONST, PRI, 1PH, NEUT ON SNGL ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VA9EC	CROSSARM CONST, PRI, 1PH, NEUT ON DBL LINE ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB1EC	CROSSARM CONST, 2PH, SINGLE LINE ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB1LPA-EC	2PH, ALTERNATE LINE POST CONST , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB2EC	CROSSARM CONST, 2PH, DBL ARM , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB3EC	VERTICAL CONST, 2PH, SUSPENSIO STRUCTURE, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB4EC	VERTICAL CONST, 2PH, CORNER STRUCTURE, DBL DEADEND , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

DISTRIBUTION FRAMING STANDARDS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
VB5EC	VERTICAL CONST, 2PH, DEADEND , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB6EC	CROSSARM CONST, 2PH, SINGLE LINE ARM , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB7-2EC	CROSSARM CONST, 2PH, SINGLE LINE ARM , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB7EC	CROSSARM CONST, 2PH, DEADEND , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB7SEC	STEEL ARM, 2PH, DEADEND , 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB8EC	CROSSARM CONST, 2PH, DBL DEADEND , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB9-1EC	CROSSARM CONST, 2PH, NEUT ON SINGLE ARM , 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VB9EC	CROSSARM CONST, 2PH, NEUT ON DBL ARMS, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1-1EC	CROSSARM CONST, 3PH, CENTER PH ON ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

VC1-1FBG	UNDERBUILD FBG, CROSSARM CONST, 3PH, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1-1SEC	CROSSARM CONST, 3PH, LG CONDUCTOR, CENTER PH ON ARM, 25KV	DS	45	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1-1SFBG	UNDERBUILD FBG, CROSSARM CONST, 3PH, LG CONDUCTOR, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1EC	CROSSARM CONST, 3PH, SNGL LINE ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1FEC	FIBERGLASS ARM, NARROW PROFILE CONST, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1F-VEC	3 PH VERTICAL, FIBERGLASS, ARMLESS CONST, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1LPA-EC	3 PH, ALTERNATE LINE POST CONST, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1LPA-VEC	3 PH, ALTERNATE VERTICAL LINE POST CONST, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC1SEC	CROSSARM CONST, 3PH, LG CONDUCTOR, SNGL ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

DISTRIBUTION FRAMING STANDARDS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
				UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE								
VC2-1EC	CROSSARM CONST, 3PH, LG CONDUCTOR CTR PH ON DBL ARMS, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC2-1SEC	CROSSARM CONST, 3PH, LG CONDUCTOR CTR PH ON DBL ARMS, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC2-1SFBG	UNDERBUILD FBG, DOUBLE CROSSARM CONST, 3PH, LG COND., 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC2-2EC	CROSSARM CONST, 3PH, CENTER PH ON ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC2-2SEC	CROSSARM CONST, 3PH, CENTER PH ON ARM, 25KV	DS	65	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC2EC	CROSSARM CONST, 3PH, DBL ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC2SEC	CROSSARM CONST, 3PH, LG CONDUCTOR, DBL ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC3EC	VERTICAL CONST, 3PH, SUSPENSION STRUCTURE, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC4EC	VERTICAL CONST, 3PH, CORNER STRUCTURE, DBL DEADEND, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC5EC	VERTICAL CONST, 3PH, DEADEND, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC6-1EC	CROSSARM CONST, 3PH, DBL DEADEND, CORNER CONST, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC6EC	CROSSARM CONST, 3PH, SNGL LINE ARM, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC7-2EC	CROSSARM CONST, 3PH, TAP ARM, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC7-2S	CROSSARM CONST, 3PH, TAP ARM, LARGE CONDUCTOR, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC7EC	CROSSARM CONST, 3PH, DEADEND, 25KV	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC7F0H2M	14.4/24.9 KV, 3 PH XARM CONSTRUCTION DEADEND, ALL ON ARM	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC7FH2M	14.4/24.9 KV 3 PHASE CROSSARM CONSTRUCTION DEADEND	DS	5	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC7SEC	STEEL ARM, 3PH, DEADEND, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

DISTRIBUTION FRAMING STANDARDS

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
VC8-1EC	CROSSARM CONST, 3PH, DBL DEADEND, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC8-1SEC	CROSSARM CONST, 3PH, LG CONDUCTOR, DBL DEADEND, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC8-1SSTL	STEEL CROSSARM CONST, 3PH, DBL DEADEND W/ FEED THRU, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC8F0H2M	14.4/24.9 KV, 3 PH XARM CONST DOUBLE DEADEND, ALL ON ARM	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC8F2H1W	3-PH FALSE DEADEND - 10' WOOD CROSSARMS 0 TO 30, 25 KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC8F2H8W	3-PH FALSE DEADEND - 8' WOOD CROSSARMS 0 TO 30, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC8F2H9W	3-PH FALSE DEADEND - 9' WOOD CROSSARMS 0 TO 30, REMOVAL ONLY	DS	2	N/A	N/A	$0.00	$0.00	N/A	N/A		N/A	N/A	$0.00	$0.00	N/A	N/A	$0.00
VC8FH2M-	14.4/24.9 KV 3 PHASE DOUBLE DEADEND USING 12' METAL CROSSARM	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC9-1EC	CROSSARM CONST, 3PH, NEUT ON SNGL ARM, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC9-1SEC	CROSSARM CONST, 3PH, LG CONDUCTOR, NEUT ON SNGL ARM, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC9-1SFBG	UNDERBUILD FBG, XARM CONST, 3PH, LG COND, ALL ON ARM, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC9-2SFBG	UB FBG, DOUBLE-XARM CONST, 3PH, LG COND, ALL ON ARM, 25KV	DS	100	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC9EC	CROSSARM CONST, 3PH, NEUT ON DBL ARMS, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
VC9SEC	CROSSARM CONST, 3PH, LG CONDUCTOR, NEUT ON DBL ARMS, 25KV	DS	2	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

Risers

Compatible Unit	Compatible Unit Description	Index Section	Estimated Annual Usage	INSTALL-HOT UNIT PRICE	INSTALL-COLD UNIT PRICE	REMOVE-HOT UNIT PRICE	REMOVE-COLD UNIT PRICE	TRANSFER-HOT UNIT PRICE	TRANSFER-COLD UNIT PRICE		INSTALL-HOT	INSTALL-COLD	REMOVE-HOT	REMOVE-COLD	TRANSFER-HOT	TRANSFER-COLD	Sub-Total
6TEXTRADIP30	#6 AL TRIPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
2TEXTRADIP30	#2 AL TRIPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
4/0TEXTRADIP30	4/0 MCM AL TRIPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
4/0QEXTRADIP30	4/0 MCM AL QUADRAPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
350TEXTRADIP30	350 MCM AL TRIPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
350QEXTRADIP30	350 MCM AL QUADRAPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
500TEXTRADIP30	500 MCM AL TRIPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
500QEXTRADIP30	500 MCM AL QUADRAPLEX EXTRA CABLE FOR 30 FT DIP	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
1/0PEXTRADIP30	1/0 AL PRIMARY EXTRA CABLE PER PHASE FOR 30 FT DIP	DS	3	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
4/0PEXTRADIP30	4/0 AL PRIMARY EXTRA CABLE PER PHASE FOR 30 FT DIP	DS	3	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
TERM10	TERMINATOR, 1/0 AL.	DS	3	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
TERM40	TERMINATOR, 4/0 AL.	DS	3	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
UGARD4	U-GUARD, 4", 10', LENGTH, TRUCK STOCK	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

UGARD3	U-GUARD, 3", 10', LENGTH, TRUCK STOCK	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
UGARD2	U-GUARD, 2", 10', LENGTH, TRUCK STOCK	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
DIP430P	CONDUIT RISER, 30' OF 4" PVC	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
DIP330P	CONDUIT RISER, 30' OF 3" PVC	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
DIP230P	CONDUIT RISER, 30' OF 2" PVC	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
DIP130P	CONDUIT RISER, 30' OF 1" PVC	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
SPLK006A	SPLICE, 600 V URD KIT, #6 AL	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
SPLK002A	SPLICE, 600 V URD KIT, #2 AL	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
SPLK040A	SPLICE, 600 V URD KIT, 4/0 AL	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
SPLK350A	SPLICE, 600 V URD KIT, 350 AL	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
SPLK500A	SPLICE, 600 V URD KIT, 500 AL	DS	2	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00
SPLk010A	SPLICE, #2 STR - 1/0 SOLID ALCN, 25KV	DS	3	N/A	$0.00	N/A	$0.00	N/A	$0.00		N/A	$0.00	N/A	$0.00	N/A	$0.00	$0.00

OVERHEAD DISTRIBUTION CONSTRUCTION

Compatible Unit	Cost Plus Work	Index Section	Estimated Annual Usage		Price/Hour		Overtime Price/Hour										
Labor	Working crew Foreman Overhead	DS	12480		$0.00		$0.00										$0.00
Labor	A Class Lineman Overhead	DS	6240		$0.00		$0.00										$0.00
Labor	B Class Lineman Overhead	DS	6240		$0.00		$0.00										$0.00
Labor	C Class Lineman Overhead	DS	520		$0.00		$0.00										$0.00
Labor	Equipment Operator	DS	520		$0.00		$0.00										$0.00
Labor	Groundman Overhead	DS	520		$0.00		$0.00										$0.00
Labor	Working crew Foreman Underground	DS	80		$0.00		$0.00										$0.00
Labor	A Class Lineman Underground	DS	80		$0.00		$0.00										$0.00
Labor	B Class Lineman Underground	DS	80		$0.00		$0.00										$0.00
Labor	C Class Lineman Underground	DS	80		$0.00		$0.00										$0.00
Labor	Groundman Underground	DS	80		$0.00		$0.00										$0.00
Equipment	Pickup F250 Equivalent	DS	12480		$0.00		N/A										$0.00
Equipment	Service Bucket 35'	DS	6240		$0.00		N/A										$0.00
Equipment	Digger Derrick 45'	DS	6240		$0.00		N/A										$0.00
Equipment	Bucket Truck 55'	DS	6240		$0.00		N/A										$0.00
Equipment	Pole Trailer	DS	3120		$0.00		N/A										$0.00
Equipment	Wire puller and tensioner	DS	200		$0.00		N/A										$0.00
Equipment	Backhoe and trailer	DS	80		$0.00		N/A										$0.00
Equipment	Traffic Control	DS	80		$0.00		N/A										
Equipment	Mats	DS	80		$0.00		N/A										

Notes to Bidders

1. All Conductor Attachment Units are included as a part of the Insulator Hardware Compatible Unit.
2. All Conductor "Transfer" Units are included as part of the "Install/Remove" Insulator Compatible Units.
3. All "Transfers" of Luminaire Compatible Units are included as part of the Lighting Bracket Compatible Unit.
4. All Traffic Control is to be billed seperately at actual costs plus 10%.
5. POLEHOLD is used to hold a pole for 1 Day
6. NOAUGERD is for 1 foot of additional Depth for pole hole

- BID SUMMARY-

TOTAL BASE BID **$_____**

The BIDDER has received, acknowledged, and used the following addenda in completing the Bid. (Initial and Date as appropriate).

Addendum No. 1	Date _____
Addendum No. 2	Date _____
Addendum No. 3	Date _____
Addendum No. 4	Date _____
Addendum No. 5	Date _____
Addendum No. 6	Date _____
Addendum No. 7	Date _____

The undersigned BIDDER _____ (Contractor Name) certifies that they are licensed as a Contractor under N.C.G.S **§** 87, and that their license number is_____ (License Number).

The undersigned BIDDER hereby agrees to accept an award of the Contract based on the Total Contract Amount as accepted by the OWNER and as indicated on the Notice of Award.

A. BIDDER agrees that Work shall be completed within the time frame indicated in the Agreement as follow:

    1. All work described herein to be complete, including restoration and all punch list items from Notice to Proceed until the Notice to Proceed Completion Date.

    2. The BIDDER acknowledges that time is of the essence in this Contract and that the OWNER will suffer financial loss if the Work is not complete within the time specified in Paragraph D.1 above plus any extensions thereof allowed in accordance with these Contract Documents. BIDDER also recognizes the delays, expense and difficulties involved in proving in a legal proceeding the actual loss suffered by the OWNER if the Work is not complete on time. The Bidder agrees to diligently pursue all available work and complete all work in an expeditious manner.

B. The following documents are attached to and made part of this bid:

    Required Bid Security in the form of either a cashier's check or certified check or Bid Bond in the amount of 5% of maximum Bid price.

C. Communications concerning this Bid shall be addressed to: (CONTRACTOR's Name, Address and Telephone Number)

    _____
    _____
    _____
    _____
    _____

D. The terms used in this Bid which are defined in Definitions and Terminology Section of the PWC General Conditions or as otherwise specifically defined in the Contract Documents have the meanings assigned to them therein, which are incorporated by reference as if fully set forth herein.

E. An individual contractor is required to furnish his social security number and sole proprietorship, partnership and corporation are required to furnish their employer identification numbers to Fayetteville Public Works Commission. Please indicate this information on this Bid Form as follows:

    Social Security Number: _____

    Federal Employer Identification Number: _____

    SUBMITTED ON ____day of_____2025

AN **INDIVIDUAL**

BY: _____ (SEAL)

(Individual's Name and Signature)

Doing Business as: _____

North Carolina Contractor Registration Number: _____

Business Address: _____

Phone Number: _____

Subscribed and sworn to before me this ____ day of _____ 2025

_____

NOTARY PUBLIC

My Commission Expires: _____

A **PARTNERSHIP**

BY: _____ (SEAL)

(Firm Name)

(General Partner and Signature)

North Carolina Contractor Registration Number: _____

Business Address: _____

Phone Number: _____

Subscribed and sworn to before me this ____ day of _____ 2025

_____

NOTARY PUBLIC

My Commission Expires: _____

A **CORPORATION**

BY: _____ _____

(Corporation Name) (State of Incorporation)

BY: _____ (SEAL)

(Name and Title of Person Authorized to Sign and Signature)

ATTEST: _____

(Secretary or Assistant Secretary and Signature)

North Carolina Contractor Registration Number: _____

Business Address: _____

Phone Number: _____

Subscribed and sworn to before me this ____ day of _____ 2025

_____

NOTARY PUBLIC

My Commission Expires: _____

_____

A **JOINT VENTURE**

BY: _____

(Name and Signature)

Doing Business as: _____

North Carolina Contractor Registration Number: _____

Business Address: _____

Phone Number: _____

Subscribed and sworn to before me this ____ day of _____ 2025

_____

NOTARY PUBLIC

My Commission Expires: _____

(Each joint venturer must sign. The name of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

LIST OF SUBCONTRACTORS

In compliance with the Instructions to Bidders and the Supplementary Conditions, the undersigned submits the following names of Subcontractors to be used in performing the Work.

The Bidder certifies that all Subcontractors listed are eligible to perform the Work and that all Subcontractors performing more than five percent of the work are listed.

Subcontractor's Name	Subcontractor's Work	% of Work
		%
		%
		%
		%
		%

Bidder's Signature

BID BOND

This is a Bid Bond that is subject to the provisions of Article 3 of Chapter 44A of the North Carolina General statutes.

This Bond is executed on _____ , 20 _____ .

The name of the PRINCIPAL is _____ (1)

_____ (2)

The name of the SURETY is _____

_____

Fayetteville Public Works Commission, Fayetteville, North Carolina is the OWNER

The amount of the Bond is _____

_____ (Dollars) ($ _____)

KNOW BY ALL MEN BY THESE PRESENTS, the Principal and Surety above named are hereby held and firmly bound unto the above named OWNER hereinafter called the OWNER in the penal sum of the amount stated above in lawful money of the United States, for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to the OWNER a certain Bid, attached hereto and hereby made a part hereof to enter into a Contract in writing, for the construction of:

PWC2526001 - ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

NOW, THEREFORE

(a) If said Bid shall be rejected, or in the alternate,

(b) If said Bid shall be accepted and the Principal shall execute and deliver a Contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said Contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

ATTEST:

(Principal Secretary) (SEAL)	Principal
	BY: (3)
	(Address)
Witness as to Principal	Surety
(Address)	(Address)

ATTEST:

N.C. Resident Agent
(SEAL)

Witness as to Surety

(Address)

(1) Correct name of Contractor
(2) A Corporation, a Partnership or an Individual, as the case may be
(3) If Contractor is a Partnership, all partners should execute Bond

POWER OF ATTORNEY
(Attach)

AFFIDAVIT OF ORGANIZATION AND AUTHORITY SWORN STATEMENT
ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

STATE OF _____

COUNTY OF _____

_____being the first duly sworn on oath deposes and says that the Bidder on the attached Bid Form id organized as indicated below and that all statements herein made are made on behalf of such Bidder and that this deponent is authorized to make them.

(Fill Out Applicable Paragraph)

1. CORPORATION

The bidder is a corporation organized and existing under the laws of the State of _____ and its President is_____, and its Secretary is _____, and does have a corporate seal. The _____ is authorized to sign construction Contract and Bids for the company by action of its Board of Directors taken _____, a certified copy of which is hereto attached. (Strike out last sentence if not applicable.)

2. PARTNERSHIP

The Bidder is a Partnership consisting of_____ and _____, partners doing business under the name of _____.

3. SOLE TRADER

The Bidder is an individual and if operating under a trade name, such trade name is as follows: _____

4. ADDRESS

The business address of the Bidder is as follows:

_____

_____

_____ Its phone number is _____

_____

Bidder

By: _____

EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this Contract the Contractor agrees as follows:

a. The Contractor will not discriminate against any employee or applicant because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to race, color, religion, sex, or national origin. Such action shall include but not be limited to the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of the nondiscrimination clause.

b. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

c. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other Contract understanding, a notice, to be provided, advising the labor union or worker's representative of the Contractor's commitments under the Equal Employment Opportunity Section of this Contract, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

d. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract or with any of such rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further OWNER Contracts.

e. The Contractor will include the provisions of this section in every subcontract or purchase order unless exempted by rules, regulations, or orders of the OWNER so that such provisions will be binding upon each Subcontractor or vendor.

(Use the following form for signatures by a CORPORATION):

_____
Corporate Name

ATTEST:

_____ _____
(Assistant) Secretary (Vice) President

(CORPORATE SEAL)

(Use the following form for signatures by and INDIVIDUAL):

BY: _____ (Seal)

WITNESS:

_____

(ACKNOWLEDGEMENT OF THE ABOVE SIGNATURE MUST BE NOTARIZED USING FORM ON FOLLOWING PAGE)

NONDISCRIMINATION CLAUSE

It is specifically agreed as part of the consideration of the signing of this Contract that the parties hereto, their agents, officials, employees or servants will not discriminate in any manner on the basis of age, handicap, race, color, creed, sexual orientation or national origin with reference to the subject matter of this Contract, no matter how remote.

This provision being incorporated for the benefit of Fayetteville Public Works Commission, Fayetteville, North Carolina and its residents may be enforced as set out in said ordinances, enforcement of this provision shall be by action for specific performance, injunctive relief, or other remedy as by law provided.

This provision shall be binding on the successors and assigns of the parties hereto with reference to the subject matter of this Contract.

(Use the following form for signatures by a CORPORATION):

_____
Corporate Name

ATTEST:

_____ BY: _____
(Assistant) Secretary (Vice) President

_____ BY: _____
(Printed Name) (Printed Name)

(Corporate Seal)

(Use the following form for signatures by a PARTNERSHIP or INDIVIDUAL):

BY:_____(SEAL)

_____
(Printed Name)

WITNESS:

_____

_____
(Printed Name)

NON-COLLUSIVE AFFIDAVIT

State of _____)
)
County of _____)

_____ being first duly sworn, deposes and says that:

(1) He is the _____
(Owner, Partner, Officer, Representative or Agent)
of _____ the BIDDER that has submitted the attached BID;

(2) He is fully informed respecting the preparation and contents of the attached BID and of all pertinent circumstances respecting such BID;

(3) Such BID is genuine and is not a collusive or sham BID;

(4) Neither the said BIDDER nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm, or person to submit a collusive or sham BID in connection with the Contract for which the attached BID has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any BIDDER, firm, or person to fix the price or prices in the attached BID or of any other BIDDER, or to fix any overhead, profit, or cost elements of the BID price or the BID price of any other BIDDER, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

(5) The price or prices quoted in the attached BID are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

BY _____

ITS _____
(Title)

Subscribed and sworn to before me this _____ day of _____ , 20 ___ .

_____
Notary Public

My Commission Expires:

_____

END OF AFFIDAVIT

F.T.A. CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

(To be submitted with each bid or offer exceeding $100,000)

The undersigned ____certifies, to the best of his or her knowledge and belief, that:

(1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form--LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq* .)]

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure.]

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq., apply* to this certification and disclosure, if any.

_____ Signature of Contractor's Authorized Official

_____ Name and Title of Contractor's Authorized Official

_____ Date

CERTIFICATION OF PRIMARY PARTICIPANT REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The Primary Participant, _____ (major third party contractor), certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction or records, making false statements, or receiving stolen property;

3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and

4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(If the primary participant is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT _____ CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET. SEQ. ARE APPLICABLE THERETO.

_____	_____
Signature	Title
_____	_____
Printed Name	Date

DAVIS-BACON INSTRUCTIONS FOR SRF AND GRIP GRANT

- **To be included in the Contract Documents:**
    1. The entire contents of **29 CFR 5.5**.
    2. The appropriate wage determination (usually Heavy). This determination must be the most current and have been in effect at least 10 days prior to bid opening. If a wage determination for the project location is not available, then the Statewide wage determination may be used. If it takes longer than 90 days to execute contracts and the wage determination changes, the new wage rates must be incorporated into the contract. Wage Determinations can be found at: : http://www.wdol.gov/sca.aspx
- **During Construction:**
    1. Posting Requirements:
        i. Post the **Davis-Bacon Poster**: www.dol.gov/whd/regs/compliance/posters/fedprojc.pdf
        ii. Post the **appropriate wage rates**. These should be the ones included in the specifications and any new classifications approved by the Department of Labor.
    2. Payroll Records:
        i. Weekly payrolls are to be maintained onsite for all subject contractors and subcontractors.
        ii. Number each payroll sequentially for each week of the construction period, including weeks that do not have payroll activity. Use Form WH-347 (suggested but not required). Link to **Form WH 347** - - http://www.dol.gov/whd/forms/wh347.pdf
        iii. Submit weekly payroll records to PWC for review. Payroll submissions may be done electronically where feasible to promote efficiency.
    3. Employee Interviews and Monitoring:
        i. PWC will conduct periodic employee interviews, using **Standard Form 1445**, to verify compliance with prevailing wages and address irregularities concerning wages paid.
        ii. When additional wage classifications are required, complete **Form SF-1444** and submit to: whd-cbaconformance_incoming@dol.gov.
- **Contractor Compliance Requirements:**
    1. Flow-Down of Davis-Bacon Act Clauses:
        i. All contracts and subcontracts must include the clauses contained in **29 CFR 5.5(a)(1)-(10)**.
        ii. Contractors are responsible for ensuring that all lower-tier subcontractors comply with these provisions.

2. Notification of Labor Standards Issues:
    i. Contractors must notify PWC or the contracting officer immediately of any labor standards issues, including:
        1. Complaints regarding incorrect payment of prevailing wages or fringe benefits.
        2. Significant labor standards violations as defined in **29 CFR 5.7**.
        3. Disputes concerning labor standards or investigations initiated by the Department of Labor (DOL).
3. Training Requirement:
    1. Contractors and subcontractors must complete Davis-Bacon Act compliance training for key personnel prior to the start of construction. Proof of training must be submitted to the contracting officer.
4. Certification of Eligibility:
    1. By submitting a bid, the contractor certifies that neither it nor its subcontractors are debarred under **29 CFR 5.12(a)(1)** or otherwise ineligible to be awarded federal contracts.
5. Dispute Resolution:
    1. Disputes arising from labor standards provisions will be resolved in accordance with **29 CFR parts 5, 6, and 7**.
6. Liquidated Damages:
    1. Contractors must comply with the **Contract Work Hours and Safety Standards Act (CWHSSA)**. Violations will result in liquidated damages of $10 per day per affected worker for overtime violations, as specified in **29 CFR 5.5(b)(2)**.

- **Included in this Package:**
    1. These Instructions
    2. 29 CFR 5.5
    3. Davis-Bacon Poster (WH-1321)
    4. Payroll Form WH-347

29 CFR §5.5 Contract provisions and related matters.

(a) The Agency head shall cause or require the contracting officer to insert in full in any contract in excess of $2,000 which is entered into for the actual construction, alteration and/or repair, including painting and decorating, of a public building or public work, or building or work financed in whole or in part from Federal funds or in accordance with guarantees of a Federal agency or financed from funds obtained by pledge of any contract of a Federal agency to make a loan, grant or annual contribution (except where a different meaning is expressly indicated), and which is subject to the labor standards provisions of any of the acts listed in §5.1, the following clauses (or any modifications thereof to meet the particular needs of the agency, *Provided,* That such modifications are first approved by the Department of Labor):

(1) *Minimum wages.* (i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in §5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH- 1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) *Withholding.* The (write in name of Federal Agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices,

trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) *Payrolls and basic records.* (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency). The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at *http://www.dol.gov/esa/whd/forms/wh347instr.htm* or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency), the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an

investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the (write the name of the agency) or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) *Apprentices and trainees-(i) Apprentices.* Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is

not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) *Trainees.* Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work

performed until an acceptable program is approved.

(iii) *Equal employment opportunity.* The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) *Compliance with Copeland Act requirements.* The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the (write in the name of the Federal agency) may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) *Contract termination: debarment.* A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) *Compliance with Davis-Bacon and Related Act requirements.* All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) *Disputes concerning labor standards.* Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) *Certification of eligibility.* (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

(b) *Contract Work Hours and Safety Standards Act.* The Agency Head shall cause or require the contracting officer to insert the following clauses set forth in paragraphs (b)(1), (2), (3), and (4) of this section in full in any contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by §5.5(a) or §4.6 of part 4 of this title. As used in this paragraph, the

terms *laborers* and *mechanics* include watchmen and guards.

(1) *Overtime requirements.* No contractor or subcontractor contracting for any part of the conract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) *Violation; liability for unpaid wages; liquidated damages.* In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) *Withholding for unpaid wages and liquidated damages.* The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

(c) In addition to the clauses contained in paragraph (b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in §5.1, the Agency Head shall cause or require the contracting officer to insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Agency Head shall cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained

under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

EMPLOYEE RIGHTS

UNDER THE DAVIS-BACON ACT

FOR LABORERS AND MECHANICS EMPLOYED ON FEDERAL OR FEDERALLY ASSISTED CONSTRUCTION PROJECTS

PREVAILING WAGES

You must be paid not less than the wage rate listed in the Davis-Bacon Wage Decision posted with this Notice for the work you perform.

OVERTIME

You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 in a work week. There are few exceptions.

ENFORCEMENT

Contract payments can be withheld to ensure workers receive wages and overtime pay due, and liquidated damages may apply if overtime pay requirements are not met. Davis-Bacon contract clauses allow contract termination and debarment of contractors from future federal contracts for up to three years. A contractor who falsifies certified payroll records or induces wage kickbacks may be subject to civil or criminal prosecution, fines and/or imprisonment.

APPRENTICES

Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.

PROPER PAY

If you do not receive proper pay, or require further information on the applicable wages, contact the Contracting Officer listed below:

or contact the U.S. Department of Labor's Wage and Hour Division.

WAGE AND HOUR DIVISION
UNITED STATES DEPARTMENT OF LABOR

1-866-487-9243
TTY: 1-877-889-5627
www.dol.gov/whd

WH1321 REV 10/17

U.S. Department of Labor
Wage and Hour Division

PAYROLL

For contractor's optional use; see instructions at dol.gov/agencies/whd/forms/wh347

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

WAGE AND HOUR DIVISION
Revised December 2008

OMB No. 1235-0008
Expires 09/30/2026

NAME OF CONTRACTOR ☐ OR SUBCONTRACTOR ☐	ADDRESS	
PAYROLL NO.	FOR WEEK ENDING	PROJECT AND LOCATION / PROJECT OR CONTRACT NO.

(1) NAME AND INDIVIDUAL IDENTIFYING NUMBER (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY NUMBER) OF WORKER	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	OT. OR ST.	(4) DAY AND DATE — HOURS WORKED EACH DAY	(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS: FICA	WITH-HOLDING TAX			OTHER	TOTAL DEDUCTIONS	(9) NET WAGES PAID FOR WEEK
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While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.

Public Burden Statement

We estimate that is will take an average of 55 minutes to complete this collection, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, U.S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W. Washington, D.C. 20210

(over)

Date _____

I, _____ _____
(Name of Signatory Party) (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

_____ on the
(Contractor or Subcontractor)

_____; that during the payroll period commencing on the
(Building or Work)

_____ day of _____, _____, and ending the _____ day of _____, _____,

all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

_____ from the full
(Contractor or Subcontractor)

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

_____

_____

_____

_____

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

☐ – in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

☐ – Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION

REMARKS:

NAME AND TITLE	SIGNATURE

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 3729 OF TITLE 31 OF THE UNITED STATES CODE.

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SECTION B - CONTRACT EXECUTION DOCUMENTS

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NOTICE OF AWARD

TO: _____
_____
_____

PROJECT DESCRIPTION: **PWC2526001 - ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION**

The OWNER has considered the BID submitted by you for the above described work in response to its Advertisement for Bids dated _____ and Instructions to Bidders.

You are hereby notified that your BID has been accepted for items in the amount of $_____.

You are required by the Instructions to Bidders to execute the Agreement and furnish the required Performance Bond, Payment Bond, and Certificates of Insurance within ten (10) calendar days from the date of this NOTICE to you.

If you fail to execute said Agreement and to furnish said Bonds within ten (10) days from the date of this Notice, said Owner will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your Bid Bond. The Owner will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____day of _____, 2025.

OWNER: **FAYETTEVILLE PUBLIC WORKS COMMISSION**
FAYETTEVILLE, NC

BY: Nikole Bohannon
TITLE: Procurement Manager

ACCEPTANCE OF AWARD

PWC2526001- ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

Receipt of the preceding NOTICE OF AWARD is hereby acknowledged this the _____ day of _____, 2025.

(CONTRACTOR)

By:_____

Title:_____

- END OF SECTION -

State of North Carolina
Cumberland County

ON-CALL CONSTRUCTION AGREEMENT

THIS ON-CALL CONSTRUCTION AGREEMENT ("Agreement" or "Contract") is made by and between Fayetteville Public Works Commission ("PWC"), a North Carolina public authority, [PER OUR CHARTER (SEE SEC 6A.20), THE CONSTRUCTION CONTRACT, IF MORE THAN $500K, MUST BE BETWEEN THE CITY (BY AND THROUGH PWC) AND THE CONTRACTOR], and _____ ("Contractor"), a North Carolina _____ (each of PWC and Contractor is referred to herein as a "Party" and collectively as the "Parties") as of the date of execution last written below (the "Effective Date"). For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

RECITALS

PWC requires the services of a _____ to provide will provide timely, cost-effective and quality on-call construction and repair services for various projects which can be small in scope and usually immediate in terms of need. Individual On-Call Requests dollar values and completion times will vary depending on the type and amount of work assigned and the rate at which appropriated of funds are consumed. The availability of the Contractor and its response times are of the utmost importance.

1. Scope of Services. The following is a general description of the tasks that may be required by PWC pursuant to this Agreement. The list is not intended to be all-inclusive, nor is it guaranteed that all of the listed tasks will be assigned.

_____
_____
_____

Upon receipt of a "Notice to Proceed", Contractor agrees to perform the Authorized Work requested and authorized by PWC pursuant to an On-Call Request. For purposes of this Agreement, an "On-Call Request" means an independent, specific, written work assignment issued to Contractor by PWC outlining a detailed scope of Services to be performed, including some or all of the above-described tasks, applicable timelines, and any other relevant specifications.

Contractor shall furnish and bear solely the entire cost of all labor and materials to perform the Work in a workmanlike manner in strict accordance with the Contract Documents, schedule delivery of the new materials, furnish and bear solely the entire cost of all supervision, contract administration, equipment, tools, and other means necessary to complete the Work, perform every obligation imposed by the Contract Documents, and be solely responsible for the clean-up and disposal of all materials and debris relating to or arising from the construction and renovation, subject to any exceptions that are specifically set forth in the Contract Documents. Except as otherwise specifically provided in the Contract Documents, Contractor is solely responsible for all construction means, methods, techniques, sequences, procedures, safety precautions or programs, supervising, coordinating, and performing the tasks necessary to complete the Work; provided, however, PWC shall have the right, without incurring any liability to Contractor, to suspend Contractor's performance when a PWC employee, in his or her opinion, observes a safety violation involving a threat to life or imminent danger of bodily injury,

SAMPLE

and the suspension shall remain in effect until Contractor remedies the safety violation.

2. Definitions. Capitalized terms used in this Agreement have the meaning specified below:

"Authorized Work" means the specific work requested and authorized pursuant to an On-Call Request.

"Business Day" means each calendar day that is not a Saturday, Sunday, holiday observed by the federal government for its employees, or holiday observed by PWC for its employees.

"Completion of the Authorized Work" means: (i) the Authorized Work is completed in accordance with this Agreement, except for punch list items; (ii) PWC has received any required temporary or final certificate of occupancy from the governmental agency with jurisdiction over the Authorized Work; and (iii) the registered architects or engineers (the "Designer(s)") who designed portions or components of the Authorized Work have issued certificates of Completion of the Authorized Work as to those portions or components.

"Contract Documents" means the following documents that were either made available to Contractor by PWC during the bid solicitation process (including Drawings) or executed by the Parties or both, which are all incorporated by reference herein:

a. This Agreement
b. Bid Documents
c. Contractor's Submitted Bid
d. Bid Bond
e. Form of Exceptions
f. Notice of Award
g. Acceptance of Award
h. Performance Bond
i. Payment Bond
j. Copy of General Contractor's License
k. Certificate of Insurance
l. Technical Specifications
m. Additional Specifications

The following documents may be delivered or issued on or after the Effective Date of the Agreement and may not be attached to this Agreement, but are considered Contract Documents when executed by the Parties:

n. On-Call Request and Notice to Proceed
o. Authorized Work Change Directive(s)
p. Change Order(s)
q. Field Order(s)

SAMPLE

There are no Contract Documents other than those identified in this Agreement. The Contract Documents may only be amended, modified, or supplemented as provided in this Agreement in a writing signed by the Parties.

"Fault" means a breach of contract by Contractor, negligent, reckless, or intentional act(s) or omission(s) constituting a tort under applicable statutes or common law by one or more Responsible Persons, or violation(s) of applicable statute(s) or regulation(s) by a Responsible Person.

"Responsible Person" means Contractor and each of its employees, agents, representatives, subcontractors, or other persons and entities for which Contractor may be liable or responsible as a result of any statutory, tort, or contractual duty.

"Work" means all Authorized Work, collectively.

The terms used in this Agreement shall have the meaning as stated herein and in the Contract Documents. In the event of a conflict between the terms of this Agreement and any other component(s) of the Contract Documents, the terms of this Agreement shall govern.

3. Contract Prices. On-Call Requests will be issued individually on a "not to exceed" basis. Authorized Work shall be billed based on the hourly rates set forth on Exhibit A, attached hereto and made a part hereof by this reference. PWC shall pay Contractor for Completion of the Authorized Work in accordance with the Contract Documents the amount identified in the applicable On-Call Request (the "Price"). Contractor understands and acknowledges that the Price is derived from a specific appropriation of funds provided for the Work. Contractor agrees and acknowledges the Price is equal to the aggregate cost of all Authorized Work to be done pursuant to the applicable On-Call Request, including all labor, materials, equipment, apparatus, and supplies. Contractor acknowledges and agrees that there is no guarantee that the amount appropriated will be fully expended.

4. Term. The initial term of this Contract shall be for two (2) years commencing on the Effective Date (the "Initial Term"); provided, however, that PWC may terminate this Contract for convenience at any time following the expiration of the first year of the Initial Term by giving the Contractor written notice of termination. At the expiration of the Initial Term, this Contract will automatically renew for an additional one (1) year period unless a Party provides the other Party with notice of its intent not to renew this Agreement at least ninety (90) days prior to the expiration of the Initial Term.

The duration of the Authorized Work shall be as set forth in the applicable On-Call Request issued under this Contract, which shall be attached hereto and made an integral part hereof. The Parties shall perform their obligations under this Agreement in compliance with all scheduling deadlines set forth in the On-Call Request. Contractor shall commence the Authorized Work on the date to be specified in the Notice to Proceed issued by PWC. Contractor shall achieve Completion of the Authorized Work on the date specified in the On-Call Request, plus any modifications thereof allowed in accordance with the Contract Documents (the "Completion Date").

5. Payment. PWC shall pay Contractor in installment payments plus a final payment, as set forth in the Contract Documents. For each applicable installment payment, Contractor shall submit an application for payment in accordance with the Contract Documents. An application for payment will be processed by PWC as provided in the Contract Documents.

SAMPLE

Such installment payments shall reflect the actual cost of the Authorized Work, not to exceed in total the Price, and the allocable portion of the total Price for said installment. PWC shall make payment to Contractor, less any applicable retainage set forth in the Contract Documents; provided, however, that PWC may withhold all or a portion of a payment on account of (1) incomplete Authorized Work, (2) defective or nonconforming Authorized Work, (3) claims filed or a reasonable basis to believe that such claims will be filed imminently, (4) failure of Contractor to make payments properly for labor, services, materials, equipment or subcontracts, (5) damages caused to PWC or another party by one or more Responsible Persons, or (6) failure to comply with the terms and conditions of this Agreement. In the final payment, PWC shall pay the balance of the Price, including all retained amounts, less any Liquidated Damages and other applicable damage and claim amounts, to Contractor within forty-five (45) days of Completion of the Authorized Work; provided, however, that PWC may withhold a reasonable sum from the final payment to ensure correction of any final items or condition of the Authorized Work.

6. Retainage. Subject to any restrictions applicable to any federal grant funds that may be utilized for the Authorized Work, PWC may, in its discretion, retain up to five percent (5%) of any periodic payment due Contractor; provided, however, when the Authorized Work is fifty percent (50%) complete, PWC, with written consent of the surety, shall not retain any further retainage from periodic payments due Contractor if Contractor continues to perform satisfactorily and any nonconforming Authorized Work identified in writing prior to that time by PWC or the Designer has been corrected by Contractor and accepted by PWC or the Designer, and provided further that full payment, less authorized deductions, shall also be made for those line item trades that have reached one hundred percent (100%) completion of their contract obligations by or before the Authorized Work is fifty percent (50%) complete if Contractor has performed satisfactorily in accordance with G.S. 143-134.1(b2), contingent upon PWC's receipt of an approval or certification from the Designer that the Authorized Work performed by the subcontractor is acceptable and in accordance with the Contract Documents. If PWC determines Contractor's performance is unsatisfactory, PWC may, in its discretion, reinstate retainage for each subsequent periodic application for payment as authorized in this Section up to the maximum amount of five percent (5%). The Authorized Work shall be deemed fifty percent (50%) complete when Contractor's gross project invoices, excluding the value of materials stored off-site, equal or exceed fifty percent (50%) of the Price, except the value of materials stored on-site shall not exceed twenty percent (20%) of Contractor's gross project invoices for the purpose of determining whether the Authorized Work is fifty percent (50%) complete. Within 60 days after the submission of a pay request and one of the following occurs, as specified in the Contract Documents, PWC, with written consent of the surety, shall release to Contractor all retainage on payments held by PWC: (i) PWC receives a certificate of substantial completion from the Designer in charge of the Authorized Work; or (ii) PWC receives beneficial occupancy or use of the Authorized Work; provided, however, PWC may in its discretion retain sufficient funds to secure Completion of the Authorized Work or corrections and punch list items on any Authorized Work. If PWC retains funds, the amount retained shall not exceed two and one-half times the estimated value of the Authorized Work to be completed or corrected or addressed in the punch list. Any reduction in the amount of the retainage on payments shall be with the consent of Contractor's surety. The existence of any third-party claims against Contractor or any additive change orders to the Construction Documents shall not be a basis for delaying the release of any retainage on payments. Notwithstanding anything in this Section to the contrary, following fifty percent (50%) completion of the Authorized Work, PWC shall be authorized to withhold additional retainage from a subsequent periodic payment, not to exceed five percent (5%), in order to allow PWC to retain two and one-half percent (2.5%) total retainage through the Completion of the Authorized Work. In the event that PWC elects to withhold additional retainage on any periodic payment subsequent to release of retainage on a

line-item of Authorized Work pursuant to G.S. 143-134.1(b2), Contractor may also withhold from the subcontractors remaining on the project sufficient retainage to offset the additional retainage held by PWC, notwithstanding the actual percentage of retainage withheld by PWC of the Authorized Work as a whole. Neither PWC's nor Contractor's release of retainage on payments as part of a payment in full on a line-item of Authorized Work pursuant to G.S. 143-134.1(b2) shall affect any applicable warranties on Authorized Work done by Contractor or subcontractor, and the warranties shall not begin to run any earlier than either PWC's receipt of a certificate of substantial completion from the Designer in charge of the Authorized Work or PWC receives beneficial occupancy.

7. Liquidated Damages. Time is of the essence with respect to performance of each of the Parties' obligations under this Agreement. Contractor recognizes and acknowledges that PWC will suffer financial and other losses if the Authorized Work is not completed by its Completion Date. The Parties recognize and agree that the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by PWC if the Authorized Work is not completed by the Completion Date. Accordingly, instead of requiring any such proof, Contractor and PWC agree that in the event Contractor fails to achieve Completion of the Authorized Work by its Completion Date, Contractor shall pay to PWC as liquidated damages to compensate PWC for damages related to the delayed Completion of the Authorized Work one thousand dollars ($1000.00) per day ("Liquidated Damages") for each calendar day Contractor fails to achieve Completion of the Authorized Work by the Completion Date.

PWC and Contractor acknowledge and agree that the sums payable under this Section 7 shall constitute liquidated damages and not penalties and are in addition to all other rights of PWC, including the right to call a default. The parties further acknowledge that (i) the amount of loss or damages likely to be incurred is incapable or is difficult to precisely estimate, (ii) the amounts specified bear a reasonable relationship to, and are not plainly or grossly disproportionate to, the probable loss likely to be incurred in connection with Contractor's failure fails to achieve Completion of the Authorized Work, (iii) one of the reasons for PWC and Contractor reaching an agreement as to such amounts was the uncertainty and cost of litigation regarding the question of actual damages, and (iv) PWC and Contractor are sophisticated business parties and have been represented by sophisticated and able legal counsel and negotiated this Agreement at arm's length.

8. Contractor's Representations and Warranties. In order to induce PWC to enter into this Agreement, Contractor makes the following representations and warranties to PWC which shall be true and correct on the Effective Date and on the date of issuance of each On-Call Request under this Contract:

a. Contractor is duly licensed in the State of North Carolina to complete the Work, is duly organized, validly existing and in good standing and has all requisite powers, rights, and authority to execute, enter into, and perform this Agreement in accordance with the terms and conditions of this Agreement, and this Agreement constitutes a legal, valid, and binding obligation of Contractor enforceable against it in accordance with its terms.

b. Contractor has read the Contract Documents, and acknowledges and understands all data, materials, specifications, and requirements identified in the Contract Documents.

c. Contractor is familiar with and is satisfied as to all laws and regulations that may affect cost, progress, and performance to complete the Work.

d. Prior to undertaking any Authorized Work, Contractor shall have:

(i) visited the site for the Authorized Work, conducted a thorough, visual examination of the site and adjacent areas, and become familiar with and is satisfied as to the general, local, and site conditions that may affect cost, progress, and performance in completing the Authorized Work..

(ii) Contractor shall have carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the site and all drawings of physical conditions relating to existing surface or subsurface structures at the site that have been identified in the Contract Documents and any accompanying reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the site that have been identified in the Contract Documents and any accompanying reports and drawings.

(iii) Contractor shall have considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the site; information and observations obtained from visits to the site; the Contract Documents; and the site-related reports and drawings identified in the Contract Documents, if any, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Authorized Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (3) Contractor's safety precautions and programs.

(iv) Based on the information and observations referred to in subparagraph (iii) of this subsection d, Contractor shall have satisfied itself that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Authorized Work at the applicable Price commencing on the commencement date set forth in the Notice to Proceed and in accordance with the other terms and conditions of the Contract.

(v) Contractor shall have made itself aware of the general nature of the Authorized Work to be performed by PWC and others at the site that as indicated in the Contract Documents.

e. Prior to undertaking any Work, Contractor shall have given PWC's Designer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by the Designer is acceptable to Contractor.

f. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

g. Contractor's entry into this Agreement constitutes an incontrovertible

SAMPLE

representation by Contractor that, without exception, all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

h. Contractor has no business or personal relationship with any PWC Commissioner, officer, director, manager, or supervisor and Contractor covenants to disclose immediately to PWC any such relationship that develops during the performance of the Work.

9. Contractor's Payment Obligations. Contractor shall pay all of its obligations arising out of or in connection with the Work in a timely manner to all persons supplying materials in the prosecution of the Work and to all laborers and others employed thereon.

10. Performance and Payment Bonds. Contractor shall obtain and deliver to PWC a performance bond in an amount based on the estimated cost of the Authorized Work, conditioned upon the faithful performance of all Authorized Work in accordance with the Contract Documents, which bond shall be solely for the protection of PWC. Contractor shall obtain and deliver to PWC a payment bond in the amount of one hundred percent (100%) of the estimated cost of the Authorized Work, conditioned upon the prompt payment for all labor or materials for which Contractor or one or more of its subcontractors is liable, which payment bond shall be solely for the protection of the persons furnishing materials or performing labor for which Contractor is liable. The performance bond and the payment bond shall be executed by one or more surety companies legally authorized to do business in the State of North Carolina, shall become effective upon the awarding of the construction contract by PWC to Contractor, and shall at all times comply with the requirements set forth in Article 3 of North Carolina General Statutes Chapter 44A. In the event PWC deems the surety or sureties upon any bond necessary for this Agreement and the Completion of the Authorized Work, or if for any reason, such bond ceases to be adequate to cover the performance and/or payment of the Authorized Work, Contractor shall, at its expense, within five (5) days after the receipt of notice from PWC, furnish an additional bond or bonds in such form and amount, and with such surety or sureties as shall be satisfactory to PWC. In such event no further payment to Contractor shall be deemed to be due under this Agreement until new or additional security for the performance and payment of the Authorized Work shall be furnished in manner and form satisfactory to PWC. Contractor understands and acknowledges that PWC, as a public authority, is not subject to the provisions of Articles 1 and 2 of Chapter 44A of the General Statutes, in accordance with G.S. 44A-34 and applicable law.

11. Contractor's Damage Repair Obligations. Contractor shall be responsible for all damages to the property of the City of Fayetteville and of PWC that may result from the normal procedure of a Responsible Person's actions in the prosecution of the Work or that may be caused by or result from the negligence of a Responsible Person during the progress of or connected with the prosecution of the Work, whether within the limits of the Work or elsewhere. Contractor shall promptly restore all such property so damaged to a condition as good as it was immediately prior to Contractor initiating the Work .

12. Defective Work. The Project shall be subject to observation and approval by PWC, Designer, and representatives of governmental agencies with jurisdiction over the Project. PWC and Designer shall be entitled to enter at all reasonable times the premises subject to construction or renovation to inspect the Work performed by or on behalf of Contractor, provided that such entry and inspection does not materially interfere with the progress of construction. Contractor shall correct promptly, at no cost to PWC, all Work

reasonably rejected by PWC or by its representatives. Should Contractor fail to correct rejected Work, PWC may, acting in its sole discretion, correct such Work and the Contractor shall pay PWC's actual costs of correction and any other applicable amounts identified in the Contract Documents.

13. As-Built Drawings. Contractor shall maintain during the progress of the Authorized Work as-built drawings indicating the current status of the Authorized Work as actually performed. Upon Completion of the Authorized Work, Contractor shall prepare a final version of such as-built drawings and submit them to PWC for approval.

14. Assignment. This Agreement shall be binding upon and inure to the benefit of the Parties, their legal representatives, successors, and assigns. Contractor may not assign, transfer, convey, or encumber, whether voluntarily or by operation of law, this Agreement or any obligations, rights under, or interests in this Agreement to a third party without the prior written consent of PWC; and, specifically, but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

15. Indemnity. Contractor shall indemnify, defend, and hold harmless PWC and its Commissioners, officers, employees, agents, and representatives and the City of Fayetteville and its elected officials, managers, employees, agents, and representatives and Design Engineer (collectively "Indemnitees") from and against all claims, actions, liabilities, damages, losses, costs, and expenses (including, without limitation, injury to or death of any persons and damage to property, economic and consequential damages and attorneys' fees) asserted by one or more third parties against one or more of the Indemnitees if the Fault of one or more Responsible Persons is a proximate cause of the loss, damage, or expense indemnified. Contractor's obligation to indemnify, defend, and hold harmless the Indemnitees shall survive the termination of this Agreement.

16. Insurance. Contractor shall maintain during the performance of the Work and for at least three (3) years after the Completion of the Work the insurance coverage set forth in the Contract Documents, which insurance shall be placed with insurance companies authorized to do business in the State of North Carolina and rated A minus VII or better by the current edition of Best's Key Rating Guide or otherwise approved in writing by PWC. Prior to initiating any Work , Contractor shall deliver certificates of insurance confirming each such coverage required by the Contract Documents, and Contractor shall direct its insurers to provide annually to PWC certificates confirming each such coverage during the coverage period. PWC shall be named as an additional insured in the comprehensive automobile and commercial liability insurance policies. Commercial general liability coverage shall be written on an "occurrence" basis. Contractor shall not reduce or allow the required insurance coverages to lapse without PWC's prior written approval. All policies for insurance must be endorsed to contain a provision giving PWC a thirty (30) calendar day prior written notice by certified mail of any cancellation of that policy or material reduction in coverage. Should a notice of cancellation be issued for non-payment of premiums or any part thereof, or should Contractor fail to provide and maintain certificates as set forth herein, PWC shall have the right, but shall not have the obligation, to pay such premium to the insurance company or to obtain such coverage and to deduct such payment from any sums that may be due or become due to Contractor, or to seek reimbursement for said payments from Contractor. Any such sums paid by PWC shall be due and payable immediately by Contractor upon notice from PWC. The insurance provisions of this

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Agreement shall not be construed as a limitation on Contractor's responsibilities and liabilities pursuant to the terms and conditions of this Agreement. Contractor's obligation to maintain insurance for three (3) years after Completion of the Work shall survive the termination of this Agreement.

17. Warranty. Contractor hereby grants to PWC warranties on all materials and Workmanship involved in the Work for a period of one (1) year from the date of Completion of the Authorized Work and a period of two (2) years from the date of Completion of the Authorized Work for any latent structural defects. PWC shall give written notice to Contractor of any claim under this Section within the time specified hereinabove. These warranties shall be in addition to, and not in derogation of, all other rights and privileges which PWC may have under law, equity, or instrument, and shall survive the date of Completion of the Authorized Work and the final settlement and shall be binding on Contractor notwithstanding any provision in any other writing executed by PWC heretofore or contemporaneous with the execution of the Agreement or prior to the date of Completion of the Authorized Work.

18. Waiver. No failure on the part of any party to exercise, and no delay in exercising, any right, power, or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right hereunder preclude any other or further cumulative and not exclusive of any remedies provided by law. This Agreement shall be binding upon and inure to the benefit of the parties, their legal representatives, successors, and assigns. This Agreement may not be assigned, transferred, conveyed, or encumbered, whether voluntarily or by operation of law, by either party without the prior written consent of the other party, which consent shall not be unreasonably withheld.

19. Law. THIS AGREEMENT SHALL BE GOVERNED BY AND INTERPRETED AND ENFORCED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NORTH CAROLINA WITHOUT GIVING EFFECT TO THE CHOICE OF LAW PROVISIONS THEREOF. Contractor shall at all times comply with all applicable Federal, state, and local laws and building codes in the performance of its obligations under the Agreement.

20. Dispute Resolution. In the event of any dispute, controversy, or claim of any kind or nature arising under or in connection with this Agreement (a "Dispute") and involving any two or more of the following parties, PWC, Designer, Contractor or any subcontractor of Contractor, the party initiating the Dispute shall serve written notice of a Dispute on the party(ies) to the dispute, and those parties shall endeavor to settle the dispute first through direct, informal discussions between the parties' selected representatives. Any such representative(s) shall have binding authority to settle the Dispute. In the event the parties do not settle the Dispute within ten (10) days from the date of written notice of the Dispute, any party to the Dispute may, by written notice to the other party(ies), engage a mediator certified under the laws of the State of North Carolina to mediate the Dispute within thirty (30) days of such notice. The parties to the Dispute shall attend mediation in good faith. In the event mediation is unsuccessful, any party to the dispute may initiate arbitration proceedings. Any controversy or claim arising out of or relating to the Contract Documents, or the breach thereof, shall be settled by binding arbitration administered by the American Arbitration Association under its Construction Industry Arbitration Rules, and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. All of the foregoing dispute resolution procedures shall be held in Cumberland County, North Carolina. The costs of the mediator and arbitrator in a dispute resolution process shall be divided equally among the parties to the process; provided, however, PWC shall bear at least one-third of the cost if PWC is a party to the dispute resolution and the remainder of the cost shall be divided equally among the other parties participating in

the dispute resolution. PWC shall, in its contractual arrangements with Designer, and Contractor shall, in its contracts with subcontractors and they in their contracts with lower-tier subcontractors authorize and direct such parties to participate in the dispute resolution procedures set forth in this Section. Unless otherwise directed in writing by PWC, Contractor shall continue the Work and maintain compliance with the scheduling deadlines set forth in the Contract Documents during any dispute resolution proceedings. If Contractor continues to perform, PWC shall make payments due for the continued performance in accordance with this Agreement. The provisions of this Section shall not extend any applicable statutes of limitation or repose.

21. Execution; Modification; Entire Agreement; Severability. This Agreement may be executed in counterparts with the same effect as if the signatures to each counterpart were upon a single instrument, and all such counterparts together shall be deemed an original of this Agreement. For purposes of this Agreement, a facsimile copy or scanned copy or photocopy of a party's signature shall be sufficient to bind such party. This Agreement shall be subject to execution by electronic means in accordance with Article 40 of Chapter 66 of the North Carolina General Statutes. No oral communication, promise, understanding, or agreement before, contemporaneous with, or after the execution of this Agreement shall affect or modify any of the terms and conditions and obligations of the Contract Documents. The Contract Documents shall be modified only by a subsequent writing signed by both Parties. The Contract Documents shall be conclusively considered to contain and express all the terms and conditions agreed upon by the Parties, notwithstanding any prior or contemporaneous written communication, promise, understanding or agreement. Should any provision of this Agreement or any of the Contract Documents at any time be in conflict with any law, statute, rule, regulation, order, or ruling and thus be unenforceable, or be unenforceable for any other reason, then the remaining provisions of this Agreement shall remain in full force and effect and the court or arbitrator shall give the offending provision the fullest meaning and effect permitted by law. The titles of the Sections throughout this Agreement are for convenience only and the words contained therein shall in no way be held to explain, modify, amplify or aid in the interpretation, construction, or meaning of the provisions of this instrument.

22. Notices. Any notice which either Party is required or desires to give the other hereunder shall be deemed sufficiently given if, in writing, it is delivered personally, or sent by certified U.S. mail, return-receipt requested, postage prepaid, to the addresses listed herein below, or such other address as either Party shall give to the other Party by written notice in accordance herewith. Any notice given herein by personal delivery shall be deemed delivered when received. Any properly addressed notice given herein by certified mail shall be deemed delivered on third Business Day after the same is deposited in an official United States Post Office, postage prepaid, or if sooner upon the date when the return receipt therefore is signed, or refusal to accept the mailing by the addressee is noted thereon by the postal authorities.

To PWC:
Fayetteville Public Works Commission
Attn: Timothy Bryant, CEO/General Manager
PO Box 1089
Fayetteville, NC 28302

To Contractor:

23. Termination. In addition to any other termination rights of PWC set forth in this Agreement, PWC may terminate this Agreement immediately if during the progress of any Authorized Work or during any warranty period, Contractor:

a. Persistently fails to prosecute Authorized Work properly and in accordance with this Contract, including but not limited to include failure to provide sufficient crews, equipment, or resources, or failure to adhere to the schedule;

b. Demonstrates disregard for the policies, procedures, or requirements of PWC;

c. Demonstrates complete disregard of the authority of PWC or its designated representatives; or

d. Violates in any substantial way the provisions and requirements of this Agreement.

Such termination shall be effective upon written notice to Contractor and its surety. PWC may terminate the contract for its convenience by providing Contractor at least seven (7) calendar days prior written notice, in which event Contractor shall be paid for all Authorized Work completed, plus other expenses as mutually agreed upon between PWC and Contractor.

24. Compliance with North Carolina and Federal Law. Contractor hereby acknowledges that "E-Verify" is the federal E- Verify program operated by the US Department of Homeland Security and other federal agencies which is used to verify the work authorization of newly hired employees pursuant to federal law and in accordance with Article 2, Chapter 64 of the North Carolina General Statutes. Contractor further acknowledges that all employers, as defined by Article 2, Chapter 64 of the North Carolina General Statutes, must use E-Verify and after hiring an employee to work in the United States, shall verify the work authorization of the employee through E-Verify in accordance with N.C.G.S. §64-26(a). Contractor hereby pledges, attests, and warrants through execution of this Agreement that Contractor complies with the requirements of Article 2, Chapter 64 of the North Carolina General Statutes and further pledges, attests, and warrants that all subcontractors currently employed by or subsequently hired by Contractor shall comply with all E-Verify requirements. Failure to comply with the above requirements shall be considered a breach of this Agreement. Contractor hereby further acknowledges that the execution and delivery of this Agreement constitutes Contractor's certification to PWC and to the North Carolina State Treasurer that, as of the date of the Effective Date of this Agreement, Contractor is not listed on (a) the Final Divestment List created and maintained by the North Carolina Department of State Treasurer pursuant to the Iran Divestment Act of 2015, Chapter 147, Article 6E of the General Statutes of North Carolina (the "Iran Divestment Act"); or (b) the list of companies that the North Carolina State Treasurer determines to be engaged in a boycott of Israel in accordance with Article 6G of Chapter 147 of the General Statutes of North Carolina. Contractor represents and warrants to Commission that Contractor, and all persons and entities owning (directly or indirectly) an ownership interest in it: (i) are not, and will not become, a person or entity with whom a party is restricted from doing business with under regulations of the Office of Foreign Asset Control ("OFAC") of the Department of the Treasury (including, but not limited to, those named on OFAC's Specially Designated and Blocked Persons list) or under any statute, executive order (including, but not limited to, the September 24, 2001, Executive Order 13224 Blocking Property and Prohibiting Transactions with Persons Who Commit, Threaten to Commit, or Support Terrorism), or other governmental action; and (ii) are not knowingly engaged in, and will not knowingly engage in,

any dealings or transactions or be otherwise associated with such persons or entities described in clause (i) above. Contractor also shall at all times during the term of this Agreement comply with Executive Order 11246, , as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," including but not limited to the Equal Opportunity Clause requirements set forth in 41 C.F.R. § 60-1.4. Contractor shall abide by the requirements of 41 CFR 60–300.5(a) and 60–741.5(a) prohibiting discrimination against qualified individuals on the basis of protected veteran status or disability and requiring affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified protected veterans and individuals with disabilities.

IN WITNESS WHEREOF, the Parties have executed this Agreement by their duly authorized representatives as of the Effective Date.

Fayetteville Public Works Commission	[CONTRACTOR]
By:_____	By:_____
Timothy Bryant, CEO/GM	_____
	(Printed Name, Title)
Date: _____	Date: _____

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act (N.C. Gen. Stat. § 159-1 et seq.).

By:_____
Rhonda Graham, Chief Financial Officer

Approved as to form:

_____
Legal Dept.

SAMPLE

GENERAL CONDITIONS FOR
FAYETTEVILLE PUBLIC WORKS COMMISSION

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General Conditions

Article I. Definitions and Terminology

Section 1.01 Definitions

Capitalized terms used in the Bid Documents or Contract Documents, including the singular and plural forms, shall have the meaning indicated in the definitions below. In addition to terms specifically defined below, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

(a) Addenda—Written or graphic instruments issued before the opening of Bids which clarify, correct, or change the Bid Documents or other Contract Documents.

(b) Agreement—The written instrument, executed by PWC and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties, designates the specific documents that encompass the Contract Documents, and provides other material provisions that govern the relationship between the parties as it relates to the Project. The Agreement is also referred to, and titled as, the “Construction Agreement.”

(c) Application for Payment—The form that Contractor shall use during the Work in requesting progress or final payments. Any Application for Payment shall be accompanied by such supporting documentation as is required by the Contract Documents.

(d) Bid—The offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

(e) Bidder—An individual or entity that submits a Bid to PWC for the Project.

(f) Bid Documents—The Bidding Requirements, the proposed Contract Documents, and all Addenda.

(g) Bidding Requirements—The Invitation to Bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bidder’s original Bid with any requisite attachments.

(h) Business Day—each calendar day that is not a Saturday, Sunday, or holiday observed by PWC (New Year’s Day, Martin Luther King, Jr. Day, Good Friday, Memorial Day, Independence Day, Labor Day, Veteran’s Day, Thanksgiving Day (and the day after), and Christmas (2 days) for its employees.

(i) Change Order—A document that is signed by Contractor and PWC, which authorizes an addition, deletion, or revision in the Work, an adjustment in the Contract Price or the Contract Times, a change in the scope of the Project, or other revision to the Agreement, issued on or after the Effective Date of the Agreement.

(j) Change Proposal—A written request by Contractor, submitted in compliance with the procedural requirements set forth in the Contract Documents, seeking an adjustment in Contract Price or Contract Times, or both; contesting an initial decision by PWC concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; challenging a set-off against payments due; or seeking other relief with respect to the terms of the Agreement.

(k) Completion of the Project—Has the meaning as set forth in the Construction Agreement.

(l) Constituent of Concern—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to (a) the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§9601 et seq. ("CERCLA"); (b) the Hazardous Materials Transportation Act, 49 U.S.C. §§5101 et seq.; (c) the Resource Conservation and Recovery Act, 42 U.S.C. §§6901 et seq. ("RCRA"); (d) the Toxic Substances Control Act, 15 U.S.C. §§2601 et seq.; (e) the Clean Water Act, 33 U.S.C. §§1251 et seq.; (f) the Clean Air Act, 42 U.S.C. §§7401 et seq.; or (g) any other federal, state, or local statute, law, rule, regulation, ordinance, resolution, code, order, or decree regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.

(m) Contract Price—The money that PWC has agreed to pay Contractor for Completion of the Project in accordance with the Contract Documents. May also be referred to as "Price" throughout the Contract Documents.

(n) Contract Times—The number of days or the dates by which Contractor shall: (a) achieve Milestones, if any; and (b) Completion of the Project.

(o) Contractor—The individual or entity with which PWC has contracted for performance of the Work and Completion of the Project.

(p) Cost of the Work

A. Costs Included: To determine Cost of the Work when Cost of the Work is a component of the Contract Price, except as otherwise may be agreed to in writing by PWC, costs included in the Cost of the Work shall be in amounts no higher than those prevailing in the locality of the Project, shall not include any of the excluded costs specifically itemized below, and shall include only the following items:

(i) Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, and vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.

(ii) Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All trade discounts, rebates, and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.

(iii) Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and

fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this subsection (p).

(iv) Supplemental costs including the following:

a. Rentals of all construction equipment and machinery, and the parts thereof, whether rented from Contractor or others in accordance with rental agreements approved by Owner. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.

b. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.

c. The cost of utilities, fuel, and sanitary facilities at the Site.

d. The costs of premiums for all bonds and insurance that Contractor is required by the Contract Documents to purchase and maintain.

B. Costs Excluded: The term Cost of the Work shall not include any of the following items:

(i) Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expediters, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications agreed upon by Owner and Contractor. The payroll costs and other compensation excluded here are to be considered administrative costs covered by the Contractor's fee.

(ii) Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.

(iii) Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

(iv) Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

(v) Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included herein.

(vi) Contractor's fee.

A. Documentation: Whenever the Cost of the Work for any purpose is to be determined pursuant to this Article 13, Contractor will establish and maintain records of the Cost of Work in accordance with generally accepted accounting practices and submit in a form acceptable to PWC an itemized cost breakdown together with supporting data.

(q) Day—a calendar day of 24 hours measured from midnight to the next midnight. Also referred to throughout the Contract Documents as "days" or "calendar days."

(r) Design Engineer—The Engineering firm identified on the Contract Drawings and their duly authorized employees and agents, such employees and agents acting within the scope of the particular duties entrusted to them in each case.

(s) Drawings—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor.

(t) Field Order—A written order issued by Project Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.

(u) Final Completion—The day the on which any specified Work is complete in accordance with the Contract Documents.

(v) Hazardous Environmental Condition—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated in the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract Documents, does not establish a Hazardous Environmental Condition.

(w) Laws and Regulations; Laws or Regulations—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction. Such terms, unless otherwise specified, shall refer to North Carolina laws and regulations.

(x) Milestone—A principal event in the performance of the Work that the Agreement requires Contractor to achieve by an intermediate completion date or by a time prior to Completion of the Project.

(y) Non-Compliance Notice—A written notice issued by PWC to Contractor indicating a violation of any term, provision, or requirement of the Contract Documents.

(z) Notice of Award—The written notice by PWC to a Bidder providing of PWC's acceptance of the Bid upon timely compliance by the Bidder with any conditions precedent provided in the notice.

(aa) Notice to Proceed—A written notice by PWC to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.

(bb) Progress Schedule—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.

(cc) Project—has the meaning ascribed to it in the Agreement and is as more specifically set forth throughout the Contract Documents. "Project" includes the total undertaking to be accomplished for PWC by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.

(dd) Project Engineer—the PWC employee assigned by PWC to coordinate, manage, monitor, and otherwise perform the administration necessary and consistent with PWC's responsibilities for the Completion of the Project. The Project Engineer has authority to coordinate and work with the Design Engineer regarding any engineering questions, concerns, revisions, alterations, deletions, or additions to the Work, and has authority to approve any changes in the scope of the Work. Project Engineer may assign a "Project Coordinator" who will also be an employee of PWC and have the duties and responsibilities set by the Project Engineer.

(ee) PWC—Fayetteville Public Works Commission. PWC may also be referred to in the Contract Documents as "Owner."

(ff) Samples—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.

(gg) Schedule of Submittals—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements for Project Engineer's review of the submittals and the performance of related construction activities.

(hh) Schedule of Values—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

(ii) Shop Drawings—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Contract Drawings and are not Contract Documents.

(jj) Site—Lands or areas indicated in the Contract Documents as being furnished by PWC upon which the Work is to be performed, including rights-of-way and easements, and such other lands furnished by PWC which are designated for the use of Contractor.

(kk) Specifications—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.

(ll) Subcontractor—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.

(mm) Substantial Completion—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Project Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion thereof.

(nn) Successful Bidder—The Bidder whose Bid PWC accepts, and to which PWC provides a Notice of Award.

(oo) Supplementary Conditions—Any part of the Agreement that amends or supplements these General Conditions.

(pp) Supplier—A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.

(qq) Technical Data—Those items expressly identified as Technical Data in the Supplementary Conditions, with respect to either (a) subsurface conditions at the Site, or physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) or (b) Hazardous Environmental Conditions at the Site. If no such express identifications of Technical Data have been made with respect to conditions at the Site, then the data contained in boring logs, recorded measurements of subsurface water levels, laboratory test results, and other factual, objective information regarding conditions at the Site that are set forth in any geotechnical or environmental report prepared for the Project and made available to Contractor are hereby defined as Technical Data with respect to conditions at the Site under Paragraphs 5.03, 5.04, and 5.06.

(rr) Underground Facilities—All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including but not limited to those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, fiber optic transmissions, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

(ss) Unit Price Work—Work to be paid for on the basis of unit prices.

(tt) Work—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, materials, equipment, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents and necessary to achieve Completion of the Project.

(uu) Work Change Directive—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by PWC and recommended by the Project Engineer, ordering an addition, deletion, or revision in the Work.

Section 1.02 Terminology

The words and terms discussed in the following paragraphs are not defined but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.

(a) Intent of Certain Terms or Adjectives:

(i) The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Project Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Project Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the

Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Project Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions the Contract Documents.

(b) Defective—when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

(i) does not conform to the Contract Documents; or
(ii) does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or
(iii) has been damaged prior to Project Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by PWC at Substantial Completion in accordance with the Contract Documents).

(c) Furnish, Install, Perform, Provide

(i) The word "furnish," when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.
(ii) The word "install," when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
(iii) The words "perform" or "provide," when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.
(iv) If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words "furnish," "install," "perform," or "provide," then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.

Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

Article II. Preliminary Matters

Section 2.01 Delivery of Bonds and Evidence of Insurance

(a) Bonds: Contractor shall deliver to PWC such bonds as Contractor is required to furnish simultaneously with delivering the executed Agreement to PWC.

(b) Contractor's Insurance: Contractor shall deliver to PWC the certificates and other evidence of the insurance required by the Contract Documents simultaneously with delivering the executed Agreement to PWC.

Section 2.02 Copies of Documents

(a) PWC will furnish to Contractor up to five (5) printed copies of the Contract Documents upon request by Contractor, and one (1) copy in electronic portable document format

(PDF). Additional printed copies will be furnished upon request at the cost of reproduction.

(b) PWC will maintain and safeguard at least one original printed record version of the Agreement, including Drawings and Specifications signed and sealed by Design Engineer or other design professionals as applicable. PWC agrees to make such original printed record version of the Agreement reasonably available to Contractor for review during PWC's normal business hours. PWC may delegate the responsibilities under this provision to Design Engineer.

Section 2.03 Before Starting any Work

(a) Within ten (10) Days after the Contractor receives the Notice of Award from PWC (or as otherwise specifically required by the Contract Documents), Contractor shall submit to PWC for timely review:

(i) a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the identifiable aspects of the Work, including any Milestones specified in the Contract Documents;
(ii) a preliminary Schedule of Submittals; and
(iii) Any Shop Drawings, Samples, and other submittals required by the Contract Documents before the Preconstruction Conference.

Section 2.04 Preconstruction Conference; Designation of Authorized Representatives

(a) Before any Work at the Site is started, a preconstruction conference attended by PWC, Project Engineer, Contractor, Design Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss general Project issues including, but not limited, the following:
(i) The schedules and submittals referred to in Section 2.03;
(ii) Contractor's designated authorized representative as described in Section 2.04(b);
(iii) Safety;
(iv) Procedures for handling Shop Drawings, Samples, and other submittals;
(v) Processing Applications for Payment, electronic or digital transmittals;

(b) At the preconstruction conference Contractor shall designate, in writing, a specific individual to act as its authorized representative with respect to its services and responsibilities under the Contract Documents. Such individual shall have the authority to transmit and receive information, render decisions relative to the requirements of the Contract Documents, and otherwise act on behalf of the Contractor.

Section 2.05 Initial Acceptance of Schedules

(a) At least twenty (20) Days before submission of the first Application for Payment a conference, attended by Contractor, PWC, and others as appropriate, will be held to review for acceptability to Project Engineer as provided below the schedules submitted in accordance with Paragraph 2.03(a). PWC shall have ten (10) Days to review the submission and provide feedback to Contractor. Contractor shall then have ten (10) days to make any corrections and adjustments as indicated by PWC and to complete and resubmit the schedules as necessary. No progress payment shall be made to Contractor until acceptable schedules are submitted to and approved by Project Engineer.

(b) The Progress Schedule will be acceptable to Project Engineer if it provides an orderly progression of the Work to achieve Completion of the Project within the Contract Times. Such acceptance will not impose on Project Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

(c) Contractor's Schedule of Submittals will be acceptable to Project Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

Section 2.06 Electronic Transmittals

(a) Except as otherwise stated elsewhere in the Contract Documents, PWC and Contractor and their authorized agents may transmit, and shall accept, Project-related correspondence, text, data, documents, drawings, information, and graphics, including but not limited to Shop Drawings and other submittals, in electronic media or digital format, either directly, or through electronic mail at the address(es) designated by each Party.

(b) When transmitting items in electronic media or digital format, the transmitting party makes no representations as to long term compatibility, usability, or readability of the items resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the items, or from those established in applicable transmittal protocols.

Article III. Contract Documents: Intent, Requirements, Reuse

Section 3.01 Intent

(a) The Contract Documents are complementary; what is required by one is as binding as if required by all.

(b) It is the intent of the Contract Documents to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents.

(c) Project Engineer, Design Engineer, or both, will issue clarifications and interpretations of the Contract Documents as provided herein.

(d) To the extent necessary that Work, construction, or conditions not covered by these General Conditions is required for Contractor to achieve Completion of the Project, "Special Conditions" for such Work will be provided to Contractor and shall be part of the Contract Documents.

(e) In case of any inconsistency, conflict, or ambiguity among the Contract Documents, the documents shall govern in the following order: (1) Change Orders; (2) Addenda; (3) the fully executed Agreement; (4) Special Conditions; (5) any Drawings and Technical Specifications; and (6) General Conditions.

Section 3.02 Reference Standards

(a) Standards Specifications, Codes, Laws and Regulations

(i) Reference in the Contract Documents to standard specifications, manuals, reference standards, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard specification, manual, reference standard, code, or North Carolina laws and regulations in effect as of the Effective Date of the Agreement, except as may be otherwise specifically stated in the Contract Documents.

(ii) No provision of any such standard specification, manual, reference standard, or code, or any instruction of a Supplier shall be effective to change the duties or responsibilities of PWC or Contractor, or any of their subcontractors, consultants, agents, or employees, from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to PWC or any of its officers, directors, members, partners, employees, agents, consultants, or subcontractors, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents.

Section 3.03 Reporting and Resolving Discrepancies

(a) Contractor's Verification of Figures and Measurements

(i) Before undertaking any portion of the Work, Contractor shall review all of the Contract Documents to and check and verify all figures and dimensions for the Project. Contractor shall promptly report in writing to Project Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Project Engineer, or by an amendment or supplement to the Contract Documents issued pursuant to these General Conditions.

(ii) If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to Project Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as defined hereinafter) until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Project Engineer, or by an amendment or supplement to the Contract Documents issued pursuant to these General Conditions.

(b) Resolving Discrepancies:

(i) Except as may be otherwise specifically stated in the Contract Documents, the provisions of the part of the Contract Documents prepared by or for PWC shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:

1) the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or
2) the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

Section 3.04 Reuse of Documents

(a) Contractor and its Subcontractors and Suppliers shall not have or acquire any title to or ownership rights in any of the:

(i) Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Design Engineer or its consultants, including electronic media editions, or reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of PWC and Design Engineer and specific written verification or adaptation by Design Engineer, where applicable; or

(ii) Contract Documents and shall not reuse any such Contract Documents for any purpose without PWC's express written consent.

(b) The prohibitions of this provision shall survive final payment or termination of the Agreement. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

Article IV. Commencement and Progress of the Work

Section 4.01 Commencement of Work

(a) The Contract Times will commence to run on the day indicated in the Notice to Proceed issued by PWC to Contractor. A Notice to Proceed may be given at any time after the Effective Date of the Contract.

(b) Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to such date. Contractor's failure to commence the Work within fifteen (15) Days of the date stated in the Notice to Proceed shall be deemed a material breach of the Agreement unless PWC otherwise determines in its sole discretion and agrees in writing to a delay of the Contract Times based on the applicable circumstances.

Section 4.02 Reference Points

(a) Construction staking will be performed by Design Engineer, who will also prepare and furnish construction cut sheets, signed and sealed by a North Carolina professional land surveyor, to PWC and Contractor. Contractor shall not install any utilities without a sheet. All requests for staking shall be made not less than 96 hours in advance.

(b) Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and staking, and shall make no changes or relocations without the prior written approval of Project Engineer. Contractor shall report to Project Engineer whenever any reference point staking is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or staking by professionally qualified personnel.

Section 4.03 Progress Schedule

(a) Contractor shall adhere to the Progress Schedule established in accordance with Section 2.03 as it may be adjusted from time-to-time as provided below. Contractor shall submit to Project Engineer for acceptance any proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article IX.

(b) Contractor shall carry on the Work and adhere to the Progress Schedule during any disputes or disagreements with PWC. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, or during any appeal process, except as permitted by these General Conditions or as PWC and Contractor may otherwise agree in writing.

Section 4.04 Delays in Contractor's Progress

(a) If PWC, Project Engineer, anyone for whom PWC is responsible, or a Force Majeure Event delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Times and Contract Price. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

(b) Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor. Delay, disruption, and interference attributable to and within the control of a Subcontractor or Supplier shall be deemed to be within the control of Contractor.

(c) Contractor must submit any Change Proposal, consistent with the procedure set forth in Article IX, seeking an adjustment in Contract Price or Contract Times under this provision within ten (10) calendar days of the commencement of the event that causes the delay, disruption, or interference with the Work and Contract Times.

Article V. Availability of Lands; Subsurface and Physical Conditions; Hazardous Environmental Conditions

Section 5.01 Availability of Lands

(a) PWC will be responsible for obtaining any required easements and encroachments, and otherwise furnishing the Site, necessary to complete the Work, except as provided elsewhere in the Contract Documents.

(b) Upon reasonable written request, PWC shall furnish to Contractor a current statement of record legal title and legal description of the lands upon which the Work is to be completed and PWC's interest therein.

(c) Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment necessary to complete the Work. Any and all agreements between the Contractor and any individual property owner(s) shall not obligate PWC, PWC's employees, Project Engineer, or Design

Engineer in any manner, and Contractor shall, before performing any work on any such property, obtain a signed and notarized release of liability of PWC and Design Engineer that is suitable to PWC as confirmed in writing.

(d) Contractor and any of its Subcontractors shall exercise care and caution to avoid damage to any private property. Should any such damage to private property occur, it is Contractor's responsibility to notify the Project Engineer promptly in writing that such damage occurred, the extent of the damage, and Contractor's written plan to remedy the damage. If Contractor fails to timely correct damage to private property, PWC reserves the right to withhold progress payments until damage is corrected and/or to correct damage and back-charge Contractor for costs incurred. At the Completion of the Project, Contractor shall obtain a signed release from all owners of private property to which damage occurred that releases PWC and Design Engineer and acknowledges a settlement for the damage or that such damage was adequately remedied.

Section 5.02 Use of Site and Other Areas

(a) Contractor shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the Site and other adjacent areas permitted by Laws and Regulations and shall not unreasonably encumber the Site and such other adjacent areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for (a) damage to the Site; (b) damage to any such other adjacent areas used for Contractor's operations; (c) damage to any other adjacent land or areas; and (d) for injuries and losses sustained by the owners or occupants of any such land or areas; provided that such damage or injuries result from the performance of the Work or from other actions or conduct of the Contractor or those for which Contractor is responsible.

(b) Contractor shall keep the Site and other adjacent areas free from accumulations of waste materials, rubbish, and other debris during the progress of the Work. Removal and disposal of such debris shall conform to applicable Laws and Regulations.

(c) Prior to Completion of the Project, Contractor shall clean the Site and the Work and make it ready for utilization by PWC. At the completion of all of the Work, Contractor shall remove from the Site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

(d) Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent structures or land to stresses or pressures that will endanger them.

Section 5.03 Differing Subsurface or Physical Conditions or Underground Facilities

(a) If Contractor believes that any subsurface or physical condition or Underground Facilities that is uncovered or revealed at the Site either:

(i) is of such a nature as to establish that any Technical Data on which Contractor is entitled to rely is materially inaccurate;
(ii) is of such a nature as to require a change in the Contract Documents;
(iii) differs materially from that shown or indicated in the Contract Documents; or

(iv) is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or Underground Facilities or performing any Work in connection therewith, notify PWC and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement approved by PWC permitting Contractor to do so.

(b) After receipt of Contractor's written notice, Project Engineer will review the subsurface or physical condition or Underground Facilities in question; determine the necessity of PWC obtaining additional exploration or tests with respect to the condition; conclude whether the condition falls within any of the differing site condition categories in this Section5.03; and obtain any pertinent cost or schedule information from Contractor.

(c) Project Engineer will issue a written statement to Contractor regarding the subsurface or physical condition or Underground Facilities in question, which addresses the resumption of Work in connection with such condition and indicates whether any change in the Contract Documents will be made.

(d) Possible Price and Times Adjustments:

(i) Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, or both, to the extent that the existence of a differing subsurface or physical condition or Underground Facilities, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

1) such condition must fall within at least one of the categories in this Section 5.03; and,
2) Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

(ii) Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition or Underground Facilities if:

1) Contractor knew of the existence of such condition at the time Contractor proffered its Bid to PWC or executed the applicable Agreement for the Project; or
2) the existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's Bid; or
3) Contractor failed to give the written notice as required.

(iii) If PWC and Contractor agree regarding Contractor's entitlement to, and the amount or extent of, any adjustment in the Contract Price or Contract Times, or both, then any such adjustment shall be set forth in a Change Order.

(iv) Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, or both, no later than 30 calendar days after Project Engineer's written statement to Contractor regarding the

subsurface or physical condition or Underground Facilities in question.

Section 5.04 Underground Utilities

(a) Contractor shall ascertain the location and type of all underground utility lines or structures that may be located within the limits of the Site or any area where Work is to be performed.

(i) The exact location of underground utilities or structures may vary from prior plans, permits, maps, or other documentation, and others may not be designated. The Contractor is fully responsible for verification of the exact location of all underground utility lines or structures within the limits of the Site or the area where the work is to be performed, whether known or unknown by PWC, and for providing necessary protection and/or repair if damage.

(ii) Should uncharted or incorrectly charted piping or other utilities be encountered during excavations, the Contractor shall immediately halt any Work, notify PWC, and await direction from PWC before proceeding with any Work. The Contractor shall fully cooperate with PWC and any other utility company in keeping respective services and facilities in operation.

(b) PWC has used reasonable care to locate and depict existing underground installation on the construction drawings, but the accuracy cannot be guaranteed, and some items may not be shown which exist. Actual horizontal and vertical locations have not been verified. As part of the Work, the Contractor is required to dig up each utility which may conflict with construction in advance to verify locations. The utilities shall be “dug up” a minimum of fourteen (14) Days in advance of actual installation of new utilities to allow PWC an opportunity to adjust grades and alignments, to avoid a conflict, and to address any other issues.

(c) The Contractor shall adhere to the provisions of the North Carolina Underground Utility Safety and Damage Prevention Act. The Contractor shall make a documented request to the North Carolina One Call Center, and/or individual utility owners, in order to locate any facilities within the Site limits or any area where Work is to be performed at least forty-eight (48) hours in advance of the day the Work is scheduled to begin. The Contractor shall include the cost of any coordination and cooperation for utilities in its Bid.

(i) Location assistance requested from PWC by Contractor should include the actual horizontal location, type number, size, and depth of all lines. All costs associated with locating and marking existing utilities or the utilities representatives shall be the responsibility of the Contractor.

(ii) The Owner, Project Engineer, Design Engineer, and/or Consultants shall not be liable to the Contractor for any claims, costs, losses, or damages incurred or sustained on or in connection with locating existing underground installations.

(d) If the Contractor fails to schedule locates or perform advance physical locations in advance of the construction and a conflict arises, the Contractor will be required to make corrective measures as instructed by the Project Engineer at the Contractor’s expense. The Contractor’s failure to advance plan (minimum fourteen (14) days) by physically

uncovering existing utilities in advance of construction shall not be cause for claim of lost time or for additional compensation. No additional payment will be made for re-mobilization required by the utility locator.

(i) The Contractor shall inform all equipment operators, either those employed by him or those employed by his subcontractors, of information obtained from the utility owners prior to initiation of any aspect of any Work.

(e) PWC and Design Engineer shall not be responsible for the accuracy or completeness of any information or data provided to the Contractor with respect to underground facilities.

(f) The entire cost of all of the following will be included in the Contract Price, and Contractor shall bear full responsibilities for all such costs, including but not limited to:

(i) Reviewing and checking all such information and data;

(ii) Locating all underground facilities shown or indicated in the Contract Documents;

(iii) Coordination of the Work with the owners of such underground facilities, including PWC, during any portion of the Work; and

(iv) The safety and protection of all such underground facilities and repairing any damage thereto resulting from the Work.

(g) Contractor shall be responsible for the discovery of existing underground installations, in advance of any excavating or trenching as required in the Contract Documents.

(h) If an underground facility is discovered at or contiguous to the Site that was not shown or indicated in the Contract Documents or of which Contractor was not aware prior to starting that portion of any Work, Contractor shall, immediately after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency), identify the owner of such underground facility and give written notice to PWC. Upon receipt of written notice, PWC will review the pertinent condition, determine the necessity of obtaining additional information, and advise Contractor in writing. During such time, Contractor shall be responsible for the safety and protection of such underground facility. If PWC concludes that a change in the Contract Documents is required, a Change Order will be issued.

(i) The Contract Price and/or the Contract Time, may be adjusted if PWC determines, in its discretion, that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work subject to the following:

1) Facility was not shown or indicated in the Contract Documents, and
2) The Contractor did not know of or could not anticipate the facility.

Section 5.05 Hazardous Environmental Conditions at Site

(a) Contractor shall not be responsible for removing or remediating any Hazardous Environmental Condition encountered, uncovered, or revealed at the Site unless such removal or remediation is expressly identified in the Contract Documents to be within the scope of the Work or Hazardous Environmental Condition was caused by Contractor.

(b) Contractor shall be responsible for controlling, containing, and removing all Constituents of Concern brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible, and for any associated costs; and for the costs of removing and remediating any Hazardous Environmental Condition created by the presence of any such Constituents of Concern.

(c) If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency); and (3) immediately notify Project Engineer (and promptly thereafter confirm such notice in writing). Project Engineer will evaluate such condition or take corrective action, if any. If Contractor or anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then PWC may have the Hazardous Environmental Condition removed and remediated and impose a set-off against payments to Contractor to account for the reasonable associated costs.

(d) Contractor shall not resume Work in connection with such Hazardous Environmental Condition or in any affected area until after PWC has delivered written notice to Contractor either (1) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (2) specifying any special conditions under which such Work may be resumed safely.

(e) If PWC and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, then within thirty (30) calendar days of PWC's written notice regarding the resumption of Work, Contractor may submit a Change Proposal or PWC may impose a set-off.

(f) If after receipt of such written notice Contractor does not agree to resume such Work based on reasonable evidence it is unsafe or does not agree to resume such Work under such special conditions, then PWC may order the portion of the Work that is in the area affected by such condition to be deleted from the Work.

Article VI. Bonds and Insurance

Section 6.01 Performance and Payment Bonds

(a) Contractor shall obtain and furnish to PWC a performance bond in the amount of one hundred percent (100%) of the Contract Price, conditioned upon the faithful performance of the Project and all Work in accordance with the Contract Documents, which bond shall be

solely for the protection of PWC.

(b) Contractor shall obtain and furnish to PWC a payment bond in the amount of one hundred percent (100%) of the Contract Price, conditioned upon the prompt payment for all labor or materials for which the Contractor or one or more of its subcontractors is liable, which payment bond shall be solely for the protection of the persons furnishing materials or performing labor for which the Contractor is liable.

(c) The performance bond and the payment bond shall be executed by one or more surety companies legally authorized to do business in the State of North Carolina, shall become effective upon the awarding of the construction contract by PWC to Contractor, and shall at all times comply with the requirements set forth in Article 3 of North Carolina General Statutes Chapter 44A.

(d) In the event PWC deems the surety or sureties upon any bond necessary for the Agreement and the completion of the Project, or if for any reason, such bond ceases to be adequate to cover the performance and/or payment of the Work, Contractor shall, at its expense, and within ten (10) days after the receipt of notice from PWC, furnish such additional bond(s) in such form and amount, and with such surety or sureties, as shall be satisfactory to PWC. In such event no further payment to Contractor shall be deemed to be due under this Agreement until new or additional security for the performance and payment of the Project shall be furnished in manner and form satisfactory to PWC.

(e) By executing the Agreement, Contractor understands and acknowledges that PWC, as a public authority, and the City, as a municipal corporation, are not subject to the provisions of Articles 1 and 2 of Chapter 44A of the General Statutes, in accordance with G.S. 44A-34 and applicable law.

Section 6.02 Insurance

(a) Contractor shall maintain during the life of the Agreement and during the completion of any Work the following insurance coverages, which insurance shall be placed with insurance companies authorized to do business in the State of North Carolina and rate A minus VII or better by the current edition of Best's Key Rating Guide or otherwise approved in writing by PWC:

(i) Commercial general liability insurance with limits of $1,000,000 per occurrence, $2,000,000 aggregate other than products/completed operations; $2,000,000 aggregate for products/completed. Commercial general liability coverage shall be written on an "occurrence" basis.

(ii) Automobile liability insurance in an amount not less than $1,000,000 combined single limit per accident for bodily injury and property damage from owned, non-owned, and hired automobiles.

(iii) Workers' compensation insurance as required by the Laws and Regulations. In the event any employee(s), contractor(s), or subcontractor(s) engaged to perform any Work under the Agreement is not protected under the applicable workers' compensation laws, the Contractor shall provide adequate coverage for the protection of such employee(s), contractor(s), or subcontractor(s) not otherwise protected.

(iv) In the event the Project concerns building construction or repair work, Contractor shall purchase and maintain "Builder's Risk" insurance. This insurance shall include the interests of the PWC, Contractor, and any Subcontractor(s) and shall be written on a one hundred percent (100%) completed value basis (full value as of the date that all construction is finished and includes the Contractor's Contract Price), and to remain in force until Completion of the Project.

(v) Regardless of the nature of the work to be performed, coverage must also be provided for the theft or damage of building materials and supplies, which are not permanently attached or stored on Site for any period of time. This coverage shall be an "Installation Floater." If no building construction or repair is involved for the Project, the amount of the coverage shall equal the value of the materials stored on site.

(b) Prior to initiating any Work on the Project, Contractor shall deliver certificates of insurance confirming each such coverage set forth above, and Contractor shall direct its insurers to provide annually to PWC certificates confirming each such coverage during the coverage period.

(c) PWC shall be named as an additional insured in the comprehensive automobile and commercial liability insurance policies.

(d) Contractor shall not reduce or allow the required insurance coverages to lapse without PWC's prior written approval. All policies for insurance must be endorsed to contain a provision giving PWC a thirty (30) calendar day prior written notice by certified mail of any cancellation of that policy or material reduction in coverage. Should a notice of cancellation be issued for non-payment of premiums or any part thereof, or should Contractor fail to provide and maintain certificates as set forth herein, PWC shall have the right, but shall not have the obligation, to pay such premium to the insurance company or to obtain such coverage and to deduct such payment from any sums that may be due or become due to Contractor, or to seek reimbursement for said payments from Contractor. Any such sums paid by PWC shall be due and payable immediately by Contractor upon notice from PWC.

(e) The insurance coverage requirements shall not be construed as a limitation on Contractor's responsibilities and liabilities pursuant to the terms and conditions of this Agreement. Contractor's obligation to maintain insurance for three (3) years after Completion of the Project shall survive the termination of this Agreement.

(f) If Contractor fails to obtain and maintain any required insurance, PWC may exclude Contractor from the Site, impose an appropriate set-off against payment, and exercise PWC's termination rights pursuant to the Contract Documents.

(g) PWC does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor or Contractor's interests.

Article VII. Contractor's Responsibilities

Section 7.01 Supervision and Superintendence

(a) Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention and applying such skills and expertise as may be necessary to

perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction subject to the terms, provisions, and specifications set forth in the Contract Documents.

(b) At all times during the progress of the Work, Contractor shall assign a competent superintendent, satisfactory to Project Engineer, to supervise the Work and to respond to Project Engineer concerning PWC's interests in the Work.

(c) Contractor's superintendent shall have full authority to act on behalf of Contractor and all communications, instructions, directions, and notices given to the superintendent by the Project Engineer shall be binding to the Contractor.

(d) Contractor's superintendent shall be responsible for coordination of the Work with other contractors or subcontractors. The superintendent shall not be replaced without written notice to PWC except under extraordinary circumstances.

(e) Subcontractors

(i) Contractor shall submit the names and references all Subcontractors to the Project Engineer for approval before commencing any Work.

1) In the event Contractor seeks to substitute any Subcontractor that was identified in Contractor's Bid, Contractor shall promptly provide PWC with: (1) the Subcontractor it seeks to substitute; (2) the identity of the Subcontractor to be substituted; and (3) the reason for the requested substitution.

2) PWC will review the requested substitution within five (5) Business Days and provide written approval or denial of the substitution, with such approval not to be unreasonably withheld.

(ii) Contractor's superintendent shall be available to be present at the Site at any time that any Subcontractor(s) is performing any of the Work. Construction activity shall be stopped if the Contractor's superintendent is not available to be at the Site.

Section 7.02 Labor; Working Hours

(a) Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site. Contractor shall remove from the Project any person who appears incompetent, disorderly, or otherwise unsatisfactory. Contractor shall also remove any person who appears in PWC's sole discretion to be incompetent, disorderly, or otherwise unsatisfactory

(b) Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed on Business Days. Contractor will not perform Work on non-Business Days. Contractor may perform Work outside regular working hours or on Saturdays, Sundays, or legal holidays only with PWC's written consent, which will not be unreasonably withheld. In such circumstances, Contractor shall submit a written request to PWC at least two (2) Business Days prior to any Work that it requests to complete on a

non-Business Day and PWC will, in its sole discretion, approve or deny such request. If such work outside of a Business Day is approved, PWC will set forth the specific parameters that Contractor must follow, including time of work, personnel, and any other issues.8

Section 7.03 Services, Materials, and Equipment

(a) Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and Completion of the Project, whether or not such items are specifically called for in the Contract Documents.

(b) All materials and equipment incorporated into the Work shall be of good quality and new, except as otherwise specified in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of PWC. If required by PWC or its designee, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.

(c) All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be specified in the Contract Documents.

Section 7.04 "Or Equals"

(a) Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description of such an item is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or equal" item is permitted, Contractor may request that Project Engineer authorize the use of other items of material or equipment under the circumstances described below.

(i) If Project Engineer determines that an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, Project Engineer shall deem it an "or equal" item and confirm such in writing to Contractor. A proposed item of material or equipment will be considered functionally equal to an item so named if:

1) in the exercise of reasonable judgment Project Engineer determines that:

a) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
b) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole;
c) it has a proven record of performance and availability of responsive service; and
d) it is not objectionable to PWC.

2) Contractor certifies that, if approved and incorporated into the Work:

a) there will be no increase in the Contract Price or Contract Times; and

b) it will conform substantially to the detailed requirements of the item specified in the Contract Documents.

(b) Contractor shall provide all data in support of any proposed “or equal” item at Contractor’s expense.

(c) Project Engineer will be allowed a reasonable time to evaluate each “or-equal” request. Project Engineer may require Contractor to furnish additional data about the proposed “or-equal” item. Project Engineer will be the sole judge of acceptability. Contractor shall not order, furnish, install, or utilize any “or-equal” it until Project Engineer has reviewed the request, determined that the proposed item is an “or-equal,” and provided written confirmation to Contractor.

(d) Project Engineer’s denial of an “or-equal” request shall be final and binding and may not be reversed through an appeal under any provision of the Contract Documents.

Section 7.05 Concerning Subcontractors, Suppliers, and Others

(a) Contractor may retain Subcontractors and Suppliers for the performance of parts of the Work. Such Subcontractors and Suppliers must be acceptable to PWC.

(b) Contractor shall not subcontract more than forty-nine percent (49%) of the final Contract Price.

(c) Contractor shall retain specific Subcontractors, Suppliers, or other individuals or entities for the performance of designated parts of the Work if required by the Contract Documents.

(d) After the submittal of Contractor’s Bid or final negotiation of the terms of the Agreement, PWC may not require Contractor to retain any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work.

(e) Prior to entry into any binding subcontract or purchase order, Contractor shall submit to PWC the identity of the proposed Subcontractor or Supplier (unless PWC has already deemed such proposed Subcontractor or Supplier acceptable, during the bidding process or otherwise). Such proposed Subcontractor or Supplier shall be deemed acceptable to PWC unless PWC raises a substantive, reasonable objection within five (5) Business Days.

(f) No acceptance by PWC of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of the right of PWC to the completion of the Work in accordance with the Contract Documents.

(g) Contractor shall be fully responsible to PWC for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor’s own acts and omissions.

(h) Contractor shall be solely responsible for scheduling and coordinating the Subcontractors, Suppliers, and all other individuals or entities performing or furnishing any of the Work.

(i) Contractor shall restrict all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work from communicating with PWC, except through Contractor or in case of an emergency, or as otherwise expressly allowed herein.

(j) All Work performed for Contractor by a Subcontractor or Supplier shall be pursuant to an appropriate contractual agreement that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of PWC.

(k) PWC may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor on account of Work performed for Contractor by the particular Subcontractor or Supplier.

(l) Nothing in the Contract Documents:

(i) shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between PWC or Design Engineer and any such Subcontractor, Supplier, or other individual or entity; nor

(ii) shall create any obligation on the part of PWC or Design Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.

Section 7.06 Patent Fees and Royalties

(a) Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device that is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of PWC, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by PWC in the Contract Documents.

Section 7.07 Permits

(a) Unless otherwise specified in the Contract Documents, Contractor shall obtain and pay for all construction permits and licenses necessary to achieve Completion of the Project. Contractor shall timely seek assistance from PWC if necessary to obtain any permits or licenses; provided that, the Contract Time shall not be extended if PWC determines, in its discretion, that Contractor delayed or otherwise did not act expeditiously in requesting such assistance. PWC shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for Completion of the Project that are applicable at the time of the submission of Contractor's Bid.

Section 7.08 Taxes

(a) Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the applicable Laws and Regulations for the Project and which are applicable during the performance of the Work.

Section 7.09 Laws and Regulations

(a) Contractor shall give all notices required by, and shall comply with, all Laws and Regulations applicable to the Project. Except as otherwise expressly required, PWC shall

not be responsible for monitoring Contractor's compliance with any Laws or Regulations.

(b) Contractor shall bear all resulting costs and losses for any of its actions or inactions that are contrary to Laws or Regulations.

(c) PWC or Contractor may give notice to the other party of any changes after the submission of Contractor's Bid (or after the date when Contractor became bound under the Agreement) concerning any Laws or Regulations having an effect on the Contract Price or Contract Times, including but not limited to changes in Laws or Regulations having an effect on procuring permits and on sales, use, value-added, consumption, and other similar taxes. If PWC and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times resulting from such changes, then within 30 calendar days of such notice Contractor may submit a Change Proposal.

Section 7.10 Record Documents

(a) Contractor shall maintain in good order one (1) printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved Shop Drawings. These record documents, together with all approved Samples, will be available to Project Engineer for reference. Upon completion of the Work, Contractor shall deliver these record documents to PWC.

Section 7.11 Safety and Protection

(a) Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

(i) all persons on the Site or who may be affected by the Work;
(ii) all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
(iii) other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

(b) Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss, and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify PWC, the owners of adjacent property or Underground Facilities, and other contractors and owners performing work at or adjacent to the Site, when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.

(c) Contractor shall comply with the requirement of any of PWC's applicable health programs, which may be revised from time to time based on specific circumstances or applicable guidance from the Center for Disease Control or other applicable entity. Such health programs will be identified in the Special Conditions if applicable to the Project.

(d) Contractor shall comply with the requirements of PWC's applicable safety programs. The Special Conditions identify any of PWC's safety programs that are applicable to the Project.

(e) Contractor shall remedy, at its expense, all damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.

(f) Contractor's duties and responsibilities for safety and protection shall continue until such time as Completion of the Project is achieved.

(g) Contractor's duties and responsibilities for safety and protection shall resume whenever Contractor or any Subcontractor or Supplier returns to the Site to fulfill warranty or correction obligations, or to conduct other tasks arising from the Contract Documents.

(h) Contractor shall designate in writing to PWC a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

Section 7.12 Emergencies

(a) In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to, and shall, act to prevent threatened damage, injury, or loss. Contractor shall give PWC prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused or are required as a result of any emergency. If PWC determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

Section 7.13 Shop Drawings, Samples, and Other Submittals

(a) Contractor shall timely submit Shop Drawings and Samples required by the Contract Documents to Project Engineer for review and approval in accordance with applicable specifications.

(b) Before submitting a Shop Drawing or Sample, Contractor shall have

(i) reviewed the Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
(ii) verified all measurements, quantities, dimensions, performance and design criteria, installation requirements, materials, catalog numbers, and similar information;
(iii) verified the suitability of all materials and equipment offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
(iv) verified all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto.

(c) With each submittal, Contractor shall give Project Engineer specific written notice of any

variations that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be a written communication separate from the Shop Drawings or Sample submittal; and, in addition, in the case of Shop Drawings by a specific notation made on each Shop Drawing submitted to PWC for review and approval of each such variation.

(d) Where a Shop Drawing or Sample is required by the Contract Documents, any related Work performed prior to Project Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

(e) Project Engineer will provide timely review of any required Shop Drawings and Samples. Such review, and subsequent determination of approval, will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

(f) Project Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions or programs incident thereto.

(g) Project Engineer's review and approval of a Shop Drawing or Sample, or of a variation from the requirements of the Contract Documents, shall not change the Contract Times or Contract Price, unless such changes are included in a Change Order.

(h) Project Engineer's receipt, review, acceptance or approval of a Shop Drawing, Sample, or other submittal shall not result in such item becoming a Contract Document.

(i) Contractor shall perform the Work in compliance with the requirements and commitments set forth in approved Shop Drawings and Samples.

(j) Resubmittal Procedures:

(i) Contractor shall make corrections required by Project Engineer and shall return the required number of corrected copies of Shop Drawings and submit new Samples as required for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by PWC or Project Engineer on previous submittals.

(ii) Contractor shall furnish required submittals with sufficient information and accuracy to obtain required approval of an item with no more than three (3) submittals. If PWC has engaged a Design Engineer for the Project, Design Engineer will record Design Engineer's time for reviewing a fourth or subsequent submittal of a Shop Drawings, sample, or other item requiring approval, and Contractor shall be responsible for Design Engineer's charges to PWC for such time. PWC may impose a set-off against payments due to Contractor to secure reimbursement for such charges.

(iii) If Contractor requests a change of a previously approved submittal item, Contractor shall be responsible for Design Engineer's charges to PWC for its review time, and PWC may impose a set-off against payments due to Contractor to secure reimbursement for such charges, unless the need for such change is beyond the control of Contractor.

Section 7.14 Contractor's General Warranty and Guarantee

(a) In order to induce PWC to enter into an Agreement with Contractor for the Project, Contractor warrants and guarantees to PWC that:

(i) Contractor is duly licensed in the State of North Carolina to complete all Work necessary for the Project, is duly organized, validly existing and in good standing and has all requisite powers, rights, and authority to execute, enter into, and perform the Agreement in accordance with the terms and conditions of the Agreement, and the Agreement constitutes a legal, valid, and binding obligation of Contractor enforceable against it in accordance with its terms.

(ii) Contractor has read the Contract Documents, and acknowledges and understands all data, materials, specifications, and requirements identified in the Contract Documents.

(iii) Contractor has visited the site for the Project, conducted a thorough, visual examination of the site and adjacent areas, and become familiar with and is satisfied as to the general, local, and site conditions that may affect cost, progress, and performance in completing the Project.

(iv) Contractor is familiar with and is satisfied as to all laws and regulations that may affect cost, progress, and performance to complete the Project.

(v) Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the site and all drawings of physical conditions relating to existing surface or subsurface structures at the site that have been identified in the Detail Specifications and any accompanying reports and drawings, and (2) reports and drawings relating to any Hazardous Environmental Condition at or adjacent to the site that have been identified in the Contract Documents and any accompanying reports and drawings.

(vi) Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, if any, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (3) Contractor's safety precautions and programs.

(vii) Based on the information and observations referred to in subsection "(v)" of this Section, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price and in accordance with the other terms and conditions of the Contract Documents.

(viii) Contractor is aware of the general nature of work to be performed by PWC and others at the Site that relates to the Work as indicated in the Contract Documents.

(ix) Contractor has given PWC written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by PWC is acceptable to Contractor.

(x) The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

(xi) Contractor's entry into this Agreement constitutes an incontrovertible representation by Contractor that, without exception, all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

(xii) Contractor has no business or personal relationship with any PWC Commissioner, officer, director, manager, or supervisor and Contractor covenants to disclose immediately to PWC any such relationship that develops during the performance of Work on the Project.

(b) Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

(i) observations by Project Engineer;
(ii) recommendation by Project Engineer or payment by PWC of any progress or final payment;
(iii) the issuance of a certificate of Substantial Completion by Project Engineer or any payment related thereto by PWC;
(iv) use or occupancy of the Work or any part thereof by PWC;
(v) any review and approval of a Shop Drawing or Sample submittal;
(vi) the issuance of a notice of acceptability by Project Engineer;
(vii) any inspection, test, or approval by others; or
(viii) any correction of defective Work by PWC.

(c) If the Contract Documents requires the Contractor to accept the assignment of a contract entered into by PWC, then the specific warranties, guarantees, and correction obligations contained in the assigned contract shall govern with respect to Contractor's performance obligations to PWC for the Work described in the assigned contract.

Section 7.15 Indemnification

(a) Contractor shall indemnify, defend, and hold harmless PWC and its Commissioners, officers, employees, agents, and representatives and the City and its elected officials, managers, employees, agents, and representatives and Designer (collectively "Indemnitees") from and against all claims, actions, liabilities, damages, losses, costs, and expenses (including, without limitation, injury to or death of any persons and damage to property, economic and consequential damages and attorneys' fees) asserted by one or more third parties against one or more of the Indemnitees if the Fault of one or more Responsible Persons is a proximate cause of the loss, damage, or expense indemnified.

(b) Contractor's obligation to indemnify, defend, and hold harmless the Indemnitees shall survive the termination of the Agreement.

(c) In any and all claims against the Indemnitees of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, Contractor's indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

Section 7.16 Claims Procedure

(a) PWC shall notify the Contractor of all potential claims related to the Work within seven (7) calendar days of receiving notification or having knowledge of such potential claim. Should the Contractor receive a potential claim related to the Work, the Contractor shall notify PWC within seven (7) calendar days of receiving notification. The Contractor shall provide the claimant and PWC with a written response acknowledging receipt of the claim within

seven (7) calendar days.

(b) If the Contractor meets with the Claimant about the claim, a representative designated by PWC shall be present at all times. PWC shall maintain a record of any claim received, and the steps taken to resolve. PWC shall also concurrently investigate each case. The Contractor agrees to furnish PWC any information regarding the claim, the actions which led to the claim and/or the investigation of the claim. Contractor shall provide their proposed response to PWC within thirty (30) calendar days of receiving the claim. Upon receipt of the response PWC and the Contractor will discuss and reach a mutual agreement of the response necessary to send to the Claimant within fifteen (15) calendar days. Once the agreement is made the Contractor shall make a formal written resolution to the claimant.

(c) Failure to act in good faith or respond to a claim in the timelines established by the Contract Documents will constitute a lack of response by the Contractor, therefore validating the claim. PWC will deduct the total amount of the claim from the monthly pay application. Failure to comply with the above requirements for resolving claims may, at the sole discretion of PWC, result in breach of contract.

(d) The Contractor is aware of these claims procedures and understands that it is the PWC's practice to pursue reimbursement/subrogation for any and all claims related expenses, which are incurred as a result of the Contractor's performance under this Contract Documents and allowed within the applicable statute of limitations.

Section 7.17 Delegation of Professional Design Services

(a) Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable Laws and Regulations.

(b) If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of Contractor by the Contract Documents, PWC will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to PWC.

(c) PWC shall be entitled to rely upon the adequacy, accuracy, and completeness of the services, certifications, or approvals performed by such design professionals, provided PWC has specified to Contractor all performance and design criteria that such services must satisfy.

(d) Pursuant to this Section, PWC's, or its designee's, review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. PWC specifically retains final approval of such

submittals.

(e) Contractor shall not be responsible for the adequacy of the performance or design criteria specified by PWC.

Article VIII. PWC's Responsibilities

(a) In awarding the bid to Contractor and executing the applicable Agreement, PWC acknowledges the following responsibilities:

(i) Except as otherwise provided in these General Conditions, PWC shall issue all communications directly to Contractor or its designee.
(ii) PWC may at its discretion replace Design Engineer and Project Engineer. The replacement Design Engineer or Project Engineer's status under the Contract Documents shall be that of the former Design Engineer or Project Engineer.
(iii) PWC shall promptly furnish the data required of PWC under the Contract Documents.
(iv) PWC shall make payments to Contractor when they are due as provided in the Contract Documents.
(v) PWC shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. PWC will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
(vi) Upon request of Contractor, PWC shall furnish to Contractor reasonable evidence that financial arrangements have been made to satisfy PWC's obligations under the Contract Documents (including obligations under proposed changes in the Work).
(vii) While at the Site, PWC's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which PWC has been informed.
(viii) PWC shall furnish copies of any applicable PWC safety program(s) to Contractor, which Contractor shall review and implement.

Article IX. Amending the Contract Documents; Changes in the Work

Section 9.01 Amending and Supplementing Contract Documents

(a) The Contract Documents may be amended or supplemented by a Change Order, a Work Change Directive, or a Field Order.

(i) Change Orders: If an amendment or supplement to the Contract Documents includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order. A Change Order also may be used to establish amendments and supplements of the Contract Documents that do not affect the Contract Price or Contract Times.

(ii) Work Change Directives: A Work Change Directive will not change the Contract Price or the Contract Times, but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on the Contract Price and Contract Times; or, if negotiations are

unsuccessful, by a determination under the terms of the Contract Documents governing adjustments, expressly including Paragraph 9.04 regarding change of Contract Price. Contractor must submit any Change Proposal seeking an adjustment of the Contract Price or the Contract Times, or both, no later than 30 days after the completion of the Work set out in the Work Change Directive. PWC must submit any dispute or request seeking an adjustment of the Contract Price or the Contract Times, or both, no later than 60 days after issuance of the Work Change Directive.

(iii) Field Orders: Project Engineer may authorize minor changes in the Work if the changes do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Such changes will be accomplished by a Field Order and will be binding on PWC and on Contractor, which shall perform promptly the Work involved. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, then before proceeding with the Work at issue, Contractor shall submit a Change Proposal as provided herein.

Section 9.02 PWC-Authorized Changes in the Work

(a) Without invalidating the Agreement and without notice to any surety, PWC may, at any time or from time to time, order additions, deletions, or revisions in the Work. Such changes shall be supported by Design Engineer's recommendation when applicable and to the extent the change involves the design (as set forth in the Drawings, Specifications, or otherwise), or other engineering or technical matters. Such changes may be accomplished by a Change Order or by a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work as revised. Nothing in this paragraph shall obligate Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the Contract Documents or Laws and Regulations.

Section 9.03 Unauthorized Changes in the Work

(a) Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents, as amended, modified, or supplemented.

Section 9.04 Change of Contract Price

(a) The Contract Price may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Price shall comply with the provisions of these General Conditions.

(b) An adjustment in the Contract Price will be determined as follows:

(i) where the Work involved is covered by unit prices contained in the Contract Documents, then by application of such unit prices to the quantities of the items involved; or
(ii) where the Work involved is not covered by unit prices contained in the Contract Documents, then by a mutually agreed lump sum (which may include an allowance for overhead and profit as agreed to in writing by the Parties); or
(iii) where the Work involved is not covered by unit prices contained in the Contract Documents and the Parties do not reach mutual agreement to a lump sum, then on the basis of the Cost of the Work plus a reasonable Contractor's fee for overhead and profit.

(c) Contractor's Fee: When applicable, the Contractor's fee for overhead and profit shall be determined as follows:

(i) a mutually acceptable fixed fee; or
(ii) if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

1) for unit prices, the Contractor's fee shall be fifteen percent (15%);
2) for all other costs incurred, the Contractor's fee shall be five percent (5%);
3) the amount of credit to be allowed by Contractor to PWC for any change that results in a net decrease in the Contract Price will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and
4) when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change.

Section 9.05 Change of Contract Times

(a) The Contract Times may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Times shall comply with the provisions of Paragraph 9.06.

(b) An adjustment of the Contract Times shall be subject to the limitations set forth in these Contract Document as it concerns delays in Contractor's progress.

Section 9.06 Change Proposals

(a) Contractor shall submit a Change Proposal to PWC to request an adjustment in the Contract Times and/or Contract Price. The Change Proposal shall specify any proposed change in Contract Times or Contract Price, or both, or other proposed relief, and explain the reason for the proposed change, with citations to any governing or applicable provisions of the Contract Documents.

(i) Procedures: Contractor shall submit each Change Proposal to PWC promptly (but in no event later than 30 days) after the start of the event giving rise thereto, or after such initial decision. The Contractor shall submit supporting data, including the proposed change in Contract Price or Contract Time (if any), to PWC within 15 calendar days after the submittal of the Change Proposal. The supporting data shall be accompanied by a written statement that the supporting data are accurate and complete, and that any requested time or price adjustment is the entire adjustment to which Contractor believes it is entitled as a result of said event.
(ii) PWC Action: PWC will review each Change Proposal and, within 30 calendar days after receipt of the Contractor's supporting data, either deny the Change Proposal in whole, approve it in whole, or deny it in part and approve it in part. Such actions shall be in writing to Contractor. If PWC does not take action on the Change Proposal within 30 calendar days, then the Change Proposal is deemed denied, thereby commencing the time for appeal under these General Conditions.
(iii) Binding Decision: PWC's decision will be final and binding unless Contractor appeals the decision.

Section 9.07 Execution of Change Orders

(a) PWC and Contractor shall execute appropriate Change Orders covering:

(i) changes in the Contract Price or Contract Times that are agreed to by the parties, including any undisputed sum or amount of time for Work performed in accordance with a Work Change Directive;
(ii) changes in Contract Price resulting from a PWC set-off, unless Contractor has duly contested such set-off;
(iii) changes in the Work which are: (a) ordered by PWC, (b) required because of PWC's acceptance of defective Work or PWC's correction of defective Work, or (c) agreed to by the parties, subject to the need for Design Engineer's recommendation if the change in the Work involves the design (as set forth in the Contract Documents), or other engineering or technical matters; and
(iv) changes in the Contract Price or Contract Times, or other changes, which embody the substance of any final and binding results.

(b) If PWC or Contractor refuses to execute a Change Order that is required to be executed under the terms of this Section, it shall be deemed to be of full force and effect as if fully executed.

Section 9.08 Notification to Surety

(a) If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

Article X. Tests, Inspections, and Approvals; Correction, Removal, or Acceptance of Defective Work

Section 10.01 Access to Work

(a) PWC, Design Engineer, their consultants and other representatives and personnel of PWC, independent testing laboratories, and authorities having jurisdiction will have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply therewith as applicable.

Section 10.02 Tests, Inspections, and Approvals

(a) Contractor shall give Project Engineer timely notice of readiness of the Work (or specific parts thereof) for all required inspections and tests and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.

(b) PWC shall retain and pay for the initial services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests expressly required by the Contract Documents to be furnished and paid for by PWC, except those costs incurred in connection with tests or inspections of covered Work shall

be governed by the provisions of Paragraph 10.05.

(c) If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish the required certificates of inspection or approval to PWC.

(d) Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required:

(i) by the Contract Documents, unless the Contract Documents expressly allocate responsibility for a specific inspection or test to PWC;
(ii) to attain PWC's and Design Engineer's acceptance of materials or equipment to be incorporated in the Work;
(iii) by manufacturers of equipment furnished under the Contract Documents;
(iv) for testing, adjusting, and balancing of mechanical, electrical, and other equipment to be incorporated into the Work; and
(v) for acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work.

Such inspections and tests shall be performed by independent inspectors, testing laboratories, or other qualified individuals or entities acceptable to PWC, as confirmed in writing by Project Engineer to Contractor.

(e) If the Contract Documents require the Work (or part thereof) to be approved by PWC or its designee, then Contractor shall assume full responsibility for arranging and obtaining such approvals.

(f) If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Project Engineer, Contractor shall, if requested by Project Engineer, uncover such Work for observation. Such uncovering shall be at Contractor's expense unless Contractor had given PWC timely notice of Contractor's intention to cover the same and PWC had not acted with reasonable promptness in response to such notice.

Section 10.03 Defective Work

(a) It is Contractor's obligation to assure that the Work is not defective.

(b) PWC or its designee has the authority to determine whether Work is defective, and to reject defective Work.

(c) Prompt notice of all defective Work of which PWC has actual knowledge will be given to Contractor.

(d) Promptly after receipt of written notice of defective Work, Contractor shall correct all such defective Work, whether or not fabricated, installed, or completed, or, if PWC has rejected the defective Work, remove it from the Project and replace it with Work that is not defective.

(e) When correcting defective Work, Contractor shall take no action that would void or otherwise impair PWC's special warranty and guarantee, if any, on said Work.

(f) In addition to its correction, removal, and replacement obligations with respect to defective Work, Contractor shall pay all claims, costs, losses, and damages arising out of or relating to defective Work, including but not limited to the cost of the inspection, testing, correction, removal, replacement, or reconstruction of such defective Work, fines levied against PWC by governmental authorities because the Work is defective, and the costs of repair or replacement of work of others resulting from defective Work. Prior to final payment, if PWC and Contractor are unable to agree as to the measure of such claims, costs, losses, and damages resulting from defective Work, then PWC may impose a reasonable set-off against payments due.

Section 10.04 Acceptance of Defective Work

(a) If, instead of requiring correction or removal and replacement of defective Work, PWC prefers to accept it, PWC may do so (subject, if such acceptance occurs prior to final payment, to Design Engineer's confirmation that such acceptance is in general accord with the design intent and applicable engineering principles and will not endanger public safety).

(b) Contractor shall pay all claims, costs, losses, and damages attributable to PWC's evaluation of and determination to accept such defective Work (such costs to be approved by PWC as to reasonableness), and for the diminished value of the Work to the extent not otherwise paid by Contractor. If any such acceptance occurs prior to final payment, the necessary revisions in the Contract Documents with respect to the Work shall be incorporated in a Change Order.

(c) If the parties are unable to agree as to the decrease in the Contract Price, reflecting the diminished value of Work so accepted, then PWC may impose a reasonable set-off against payments due. If the acceptance of defective Work occurs after final payment, Contractor shall pay an appropriate amount to PWC.

Section 10.05 Uncovering Work

(a) PWC has discretion to require, at its initial cost, additional inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.

(b) If any Work is covered contrary to the written request of PWC, then Contractor shall, if requested by PWC or its designee, uncover such Work for observation, and then replace the covering, all at Contractor's expense.

(c) If PWC considers it necessary or advisable that covered Work be observed by PWC or inspected or tested by others, then Contractor, at PWC's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as PWC may require, that portion of the Work in question, and provide all necessary labor, material, and equipment.

(i) If it is found that the uncovered Work is defective, Contractor shall be responsible for all claims, costs, losses, and damages arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and pending Contractor's full discharge of this responsibility PWC shall be entitled to impose a reasonable set-off against payments due.

(ii) If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, then Contractor may submit a Change Proposal within 30 calendar days of the determination that the Work is not defective.

Section 10.06 PWC May Stop the Work

(a) If the Work is defective, or Contractor fails to supply sufficiently skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then PWC may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of PWC to stop the Work shall not give rise to any duty on the part of PWC to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

Section 10.07 PWC May Correct Defective Work

(a) If Contractor fails within the time specified by PWC in a written notice from PWC to correct defective Work, or to remove and replace rejected Work as required by PWC, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, then PWC may, after seven (7) calendar days written notice to Contractor, correct or remedy any such deficiency.

(b) In exercising the rights and remedies under this Section, PWC shall proceed expeditiously. In connection with such corrective or remedial action, PWC may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, and incorporate in the Work all materials and equipment stored at the Site or for which PWC has paid Contractor but which are stored elsewhere. Contractor shall allow PWC and its officers, employees, representatives, agents and other contractors, and Design Engineer and its employees and agents access to the Site to enable PWC to exercise the rights and remedies under this Section.

(c) All claims, costs, losses, and damages incurred or sustained by PWC in exercising the rights and remedies under this Section will be charged against Contractor as set-offs against payments due. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

(d) Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by PWC of PWC's rights and remedies under this Section.

Article XI. Claims

Section 11.01 Claims Process

(a) The following disputes between PWC and Contractor shall be submitted to the Claims process set forth in this Article:

(i) Appeals by PWC or Contractor of Design Engineer's decisions regarding Change Proposals;
(ii) PWC or Contractor's demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents; and
(iii) Disputes that Design Engineer has been unable to address because they do not involve the design (as set forth in the Contract Documents), the acceptability of the Work, or other engineering or technical matters.

Section 11.02 Submittal of Claim

(a) The party submitting a claim shall deliver it directly to the other party to the Agreement promptly (but in no event later than 30 calendar days) after the start of the event giving rise thereto; in the case of appeals regarding Change Proposals within 30 calendar days of the decision under appeal. The responsibility to substantiate a claim shall rest with the party making the claim. In the case of a claim by Contractor seeking an increase in the Contract Times or Contract Price, or both, Contractor shall certify that the claim is made in good faith, that the supporting data are accurate and complete, and that to the best of Contractor's knowledge and belief the amount of time or money requested accurately reflects the full amount to which Contractor is entitled.

Section 11.03 Review and Resolution

(a) The party receiving a Claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the Claim through the exchange of information and direct negotiations. The parties may extend the time for resolving the Claim by mutual agreement. All actions taken on a Claim shall be stated in writing and submitted to the other party.

Section 11.04 Dispute Resolution

(a) In the event of any dispute, controversy, or claim of any kindor nature arising under or in connection with this Agreement (a "Dispute") and involving any two or more of the following parties, PWC, Design Engineer, Contractor or any subcontractor of Contractor, the party initiating the Dispute shall serve written notice of a Dispute on the party(ies) to the dispute, and those parties shall endeavor to settle the dispute first through direct, informal discussions between the parties' selected representatives. Any such representative(s) shall have binding authority to settle the Dispute. In the event the parties do not settle the Dispute within ten (10) calendar days from the date of written notice of the Dispute, any party to the Dispute may, by written notice to the other party(ies), engage a mediator certified under the laws of the State of North Carolina to mediate the Dispute within thirty (30) calendar days of such notice. The parties to the Dispute shall attend mediation in good faith. In the event mediation is unsuccessful, any party to the dispute may initiate arbitration proceedings. Any controversy or claim arising out of or relating to the Contract Documents, or the breach thereof, shall be settled by binding arbitration administered by the American Arbitration Association under its Construction Industry Arbitration Rules, and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. All of the foregoing dispute resolution procedures shall be held in Cumberland County, North Carolina. The costs of the mediator and arbitrator in a dispute resolution process shall be divided equally among the parties to the process; provided, however, PWC shall bear at least one-third of the cost if PWC is a party to the dispute resolutionand the remainder of the cost shall be divided equally among the other parties

participating in the dispute resolution. PWC shall, in its contractual arrangements with Design Engineer, and Contractor shall, in its contracts with Subcontractors and they in their contracts with lower-tier subcontractors authorize and direct such parties to participate in the dispute resolution procedures set forth in this Section. Unless otherwise directed in writing by PWC, Contractor shall continue the Project and maintain compliance with the scheduling deadlines set forth in theContract Documents during any dispute resolution proceedings. If Contractor continues to perform, PWC shall make payments due for the continued performance in accordance with this Agreement. The provisions of this Section shall not extend any applicable statutes of limitation or repose.

Article XII. Payments to Contractor; Set-Offs; Completion; Correction Period

Section 12.01 Progress Payments

(a) The Schedule of Values will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to the Project Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed during the pay period. Progress payments for cost-based Work will be based on the Cost of the Work completed by the Contractor during the pay period.

(b) Applications for Payments:

(i) Contractor shall submit to Project Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that PWC has received the materials and equipment free and clear, and evidence that the materials and equipment are covered by appropriate property insurance, a warehouse bond, or other arrangements to protect PWC's interest.

(ii) Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.

(iii) The amount of retainage for progress payments will be as stipulated in the Contract Documents.

(c) Review of Applications:

(i) Project Engineer will, within ten (10) Business Days after receipt of each Application for Payment, including each resubmittal, either indicate in writing a recommendation of payment and present the Application to PWC, or return the Application to Contractor indicating in writing Project Engineer's reason(s) for refusing to recommend payment. In the latter case, the Contractor may make the necessary corrections and resubmit the Application.

(ii) Project Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Project Engineer to PWC, based on Project Engineer's observations of the executed Work, and on Project Engineer's review of the

Application for Payment and the accompanying data and schedules, that to the best of Project Engineer's knowledge, information, and belief:

1) the Work has progressed to the point indicated;
2) the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work, and any other qualifications stated in the recommendation); and
3) the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Project Engineer's responsibility to observe the Work.

(iii) By recommending any such payment Project Engineer will not thereby be deemed to have represented that:

1) inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Project Engineer in the Contract Documents; or
2) there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by PWC or entitle PWC to withhold payment to Contractor.

(iv) Neither Project Engineer's review of Contractor's Work for the purposes of recommending payments nor Project Engineer's recommendation of any payment, including final payment, will impose responsibility on Project Engineer:

1) to supervise, direct, or control the Work, or
2) for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or
3) for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or
4) to make any examination to ascertain how or for what purposes Contractor has used the money paid on account of the Contract Price.

(v) Project Engineer may refuse to recommend the whole or any part of any payment if, in Project Engineer's opinion, it would be incorrect to make the representations to PWC outlined in this Section.

(d) Project Engineer will recommend reductions in payment (set-offs) necessary in Project Engineer's opinion to protect PWC from loss because:

(i) the Work is defective, requiring correction or replacement;
(ii) the Contract Price has been reduced by Change Orders;
(iii) PWC has been required to correct defective Work or has accepted defective Work in accordance with these General Conditions;
(iv) PWC has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible; or
(v) Project Engineer has actual knowledge of the occurrence of any of the events that would constitute a default by Contractor and therefore justify termination for cause under the Contract Documents.

(e) Payment Becomes Due:

(i) Twenty (20) Business Days after presentation of the Application for Payment to PWC with Project Engineer's recommendation, the amount recommended (subject to any PWC set offs) will become due, and when due will be paid by PWC to Contractor.

(f) Reductions in Payment by PWC:

(i) In addition to any reductions in payment (set-offs) recommended by Project Engineer, PWC is entitled to impose a set-off against payment based on any of the following:

1) PWC has incurred costs, losses, or damages on account of Contractor's conduct in the performance or furnishing of the Work, including but not limited to claims, costs, losses, or damages from workplace injuries, adjacent property damage, non-compliance with Laws and Regulations, and patent infringement;
2) Contractor has failed to take reasonable and customary measures to avoid damage, delay, disruption, and interference with other work at or adjacent to the Site;
3) Contractor has failed to provide and maintain required bonds or insurance;
4) PWC has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible;
5) PWC has incurred extra charges or engineering costs related to submittal reviews, evaluations of proposed substitutes, tests and inspections, or return visits to manufacturing or assembly facilities;
6) the Work is defective, requiring correction or replacement;
7) PWC has been required to correct defective Work or has accepted defective Work in accordance with the Contract Documents;
8) the Contract Price has been reduced by Change Orders;
9) an event that would constitute a default by Contractor and therefore justify a termination for cause has occurred;
10) liquidated damages have accrued as a result of Contractor's failure to achieve Milestones, Substantial Completion, or Completion of the Project; or
11) there are other items entitling PWC to a set off against the amount recommended.

(ii) If PWC imposes any set-off against payment, whether based on its own knowledge or on the written recommendations of Project Engineer, PWC will give Contractor immediate written notice stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld. PWC shall promptly pay Contractor the amount so withheld, or any adjustment agreed to by PWC and Contractor if Contractor remedies the reasons for such action. The reduction imposed shall be binding on Contractor unless it duly submits a Change Proposal contesting the reduction.

(iii) Upon a subsequent determination that PWC's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due and subject to interest as provided in the Contract Documents.

Section 12.02 Substantial Completion

(a) When Contractor considers the entire Work ready for its intended use Contractor shall notify PWC and Design Engineer in writing that the entire Work is substantially complete and request that PWC acknowledge in writing that Contractor has met Substantial Completion.

(b) Promptly after Contractor's notification, PWC, Contractor, and Design Engineer shall make an inspection of the Work to determine the status of completion. If PWC does not consider the Work substantially complete, PWC will notify Contractor in writing giving the reasons therefor. PWC shall thereafter submit to Contractor an initial draft of punch list items to be completed or corrected before final payment.

(c) If Design Engineer considers the Work substantially complete, Design Engineer will deliver to PWC a preliminary certificate of Substantial Completion which shall fix the date of Substantial Completion. Design Engineer shall attach to the certificate a punch list of items to be completed or corrected before final payment. PWC shall have seven (7) Business Days after receipt of the preliminary certificate to make written objection to Design Engineer as to any provisions of the certificate or attached punch list. If, after considering the objections to the provisions of the preliminary certificate, PWC concludes that the Work is not substantially complete, PWC will, within fourteen (14) calendar days after submission of the preliminary certificate to PWC, notify Contractor in writing that the Work is not substantially complete, stating the reasons therefor.

(d) At the time of receipt of the preliminary certificate of Substantial Completion, PWC and Contractor will confer regarding PWC's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work under a permanent property insurance policy held by PWC. Unless PWC and Contractor agree otherwise in writing, PWC shall bear responsibility for security, operation, protection of the Work, property insurance, maintenance, heat, and utilities upon PWC use or occupancy of the Work.

(e) After Substantial Completion the Contractor shall promptly begin work on the punch list of items to be completed or corrected prior to final payment and shall complete such items within the time specified by PWC. In appropriate cases Contractor may submit monthly Applications for Payment for completed punch list items, following the progress payment procedures set forth above.

(f) PWC shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the punch list.

Section 12.03 Partial Use or Occupancy

(a) Prior to Substantial Completion of all the Work, PWC may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which PWC, Design Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by PWC for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:

(i) At any time PWC may request in writing that Contractor permit PWC to use or occupy any such part of the Work that PWC believes to be substantially complete.

(ii) At any time Contractor may notify PWC and Design Engineer in writing that Contractor considers any such part of the Work substantially complete and request Design Engineer

to issue a certificate of Substantial Completion for that part of the Work.

(iii) Within a reasonable time after either such request, PWC, Contractor, and Design Engineer shall make an inspection of that part of the Work to determine its status of completion. If Design Engineer does not consider that part of the Work to be substantially complete, Design Engineer will notify PWC and Contractor in writing giving the reasons therefor.

(iv) No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements regarding builder's risk or other property insurance.

Section 12.04 Final Inspection

(a) Upon written notice from Contractor that Completion of the Project has been achieved or an agreed portion thereof is complete, PWC will promptly make a final inspection with Project Engineer, Design Engineer, and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

Section 12.05 Final Payment

(a) Application for Payment:

(i) After Contractor has, in the opinion of PWC, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents, and other documents, Contractor may make application for final payment.

(ii) The final Application for Payment shall be accompanied (except as previously delivered) by:

1) all documentation called for in the Contract Documents;
2) consent of the surety, if any, to final payment;
3) satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to PWC free and clear or will so pass upon final payment;
4) a list of all disputes that Contractor believes are unsettled; anD
5) complete and legally effective releases or waivers (satisfactory to PWC) required by the Contract Documents.

(iii) If Design Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract have been fulfilled, Design Engineer will, within ten (10) Business Days after receipt of the final Application for Payment, indicate in writing Design Engineer's recommendation of final payment and present the Application for Payment to PWC for payment. Such recommendation shall account for any set-offs against payment that are necessary in Design Engineer's opinion to protect PWC from loss for the reasons stated above with respect to progress payments. At the same time Design Engineer will also give written notice to PWC and Contractor that the Work is acceptable and that Completion of the Project has been achieved. Otherwise, Design Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

(iv) Within thirty (30) calendar days after the presentation to PWC of the final Application for

Payment and accompanying documentation, the amount recommended by Design Engineer (less any further sum PWC is entitled to set off against Design Engineer's recommendation, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions above with respect to progress payments) will become due and shall be paid by PWC to Contractor.

Section 12.06 Waiver of Claims

(a) The making of final payment will not constitute a waiver by PWC of claims or rights against Contractor. PWC expressly reserves claims and rights arising from defective Work appearing after final inspection, from Contractor's failure to comply with the Contract Documents or the terms of any special guarantees specified therein, from Contractor's indemnification obligations, or from Contractor's continuing obligations under the Contract Documents.

(b) The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against PWC other than those pending matters that have been duly submitted or appealed under the provisions of the Contract Documents.

Section 12.07 Correction Period

(a) If within one (1) year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents, or by any specific provision of the Contract Documents), any Work is found to be defective, or if the repair of any damages to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas used by Contractor as permitted by Laws and Regulations, is found to be defective, then Contractor shall promptly, without cost to PWC and in accordance with PWC's written instructions:

(i) correct the defective repairs to the Site or such other adjacent areas;
(ii) correct such defective Work;
(iii) if the defective Work has been rejected by PWC, remove it from the Project and replace it with Work that is not defective, and
(iv) satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others, or to other land or areas resulting therefrom.

(b) If Contractor does not promptly comply with the terms of PWC's written instructions, or in an emergency where delay would cause serious risk of loss or damage, PWC may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others).

(c) In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date only as provided in the Contract Documents.

(d) Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Article XII, the correction period hereunder with

respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

(e) Contractor's obligations under this Article XII are in addition to all other obligations and warranties. The provisions of this Article XII shall not be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

Article XIII. Suspension of Work and Termination

Section 13.01 PWC May Suspend Work

(a) At any time and without cause, PWC may suspend the Work or any portion thereof for a period of not more than 90 consecutive calendar days by written notice to Contractor and Design Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension. Any Change Proposal seeking such adjustments shall be submitted no later than thirty (30) calendar days after the date fixed for resumption of Work.

Section 13.02 PWC May Terminate for Cause

(a) The occurrence of any one or more of the following events will constitute a default by Contractor and justify termination for cause:

(i) Contractor's continued failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule);
(ii) Failure of Contractor to perform or otherwise to comply with a material term of the Contract Documents;
(iii) Contractor's disregard of Laws or Regulations of any public body having jurisdiction; or
(iv) Contractor's repeated disregard of the authority of PWC, Project Engineer, or Design Engineer.

(b) If one or more of the events identified in Paragraph 13.02(a) occurs, then after giving Contractor (and any surety) ten (10) calendar days written notice that PWC is considering a declaration that Contractor is in default and termination of the Agreement, PWC may proceed to:

(i) declare Contractor to be in default, and give Contractor (and any surety) notice that the Contract is terminated; and
(ii) enforce the rights available to PWC under any applicable performance bond.

(c) Subject to the terms and operation of any applicable performance bond, if PWC has terminated the Contract for cause, PWC may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which PWC has paid Contractor but which are stored elsewhere, and complete the Work as PWC may deem expedient.

(d) PWC may not proceed with termination of the Contract under Paragraph 13.02(b) if Contractor within seven (7) calendar days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure and such efforts

are agreed to by PWC.

(e) If PWC proceeds as provided in Paragraph 13.02(b), Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds the cost to complete the Work, including all related claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals) sustained by PWC, such excess will be paid to Contractor. If the cost to complete the Work including such related claims, costs, losses, and damages exceeds such unpaid balance, Contractor shall pay the difference to PWC. Such claims, costs, losses, and damages incurred by PWC will be reviewed by PWC as to their reasonableness and, when so approved by PWC, incorporated in a Change Order.

(f) Where Contractor's services have been so terminated by PWC, the termination will not affect any rights or remedies of PWC against Contractor then existing or which may thereafter accrue, or any rights or remedies of PWC against Contractor or any surety under any payment bond or performance bond. Any retention or payment of money due Contractor by PWC will not release Contractor from liability.

(g) The provisions of any applicable payment or performance bond shall govern over any inconsistent provisions of this Section.

Section 13.03 PWC May Terminate For Convenience

(a) Upon seven (7) calendar days written notice to Contractor, PWC may, without cause and without prejudice to any other right or remedy of PWC, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

(i) completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
(ii) expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
(iii) other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.

(b) Contractor shall not be paid on account of loss of anticipated overhead, profits, or revenue, or other economic loss arising out of or resulting from such termination.

Section 13.04 Contractor May Stop Work or Terminate

(a) If, through no act or fault of Contractor, (1) the Work is suspended for more than ninety (90) consecutive calendar days by PWC or under an order of court or other public authority or (2) PWC fails for sixty (60) calendar days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven (7) calendar days written notice to PWC, and provided PWC does not remedy such suspension or failure within that time, terminate the Contract and recover from PWC payment on the same terms as provided in this Article.
(b) In lieu of terminating the Contract and without prejudice to any other right or remedy, if PWC has failed for thirty (30) calendar days to pay Contractor any sum finally determined to be due, Contractor may, seven (7) calendar days after written notice to PWC, stop the Work until payment is made of all such amounts due Contractor, including interest thereon.

The provisions of this paragraph are not intended to preclude Contractor from submitting a Change Proposal for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

Section 13.05 Morality

(a) If, in the sole opinion of PWC, at any time Contractor or any of its owner(s) or employee(s) or agent(s) (each party, owner, employee, and agent is an "Actor") engages in any one or more actions that bring disrepute, contempt, scandal, or public ridicule to the Actor or subject the Actor to prosecution or offend the community or public morals or decency or denigrate individuals or groups in the community served by PWC or are scandalous or inconsistent with community standards or good citizenship or may adversely affect PWC's finances, public standing, image, or reputation or are embarrassing or offensive to PWC or may reflect unfavorably on PWC or are derogatory or offensive to one or more employee(s) or customer(s) of PWC, PWC may immediately upon written notice to Contractor terminate the Agreement, in addition to any other rights and remedies that PWC may have pursuant to the Contract Documents or at law or in equity.

Article XIV. Miscellaneous

Section 14.01 Additional General Terms and Conditions

(a) Contractor shall be subject to any additional terms and conditions for this Project as set forth in the applicable Appendices as specific in the Agreement, which is incorporated by reference as if set forth word-for-word herein.

Section 14.02 Giving Notice

(a) Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:

(i) delivered in person, by a commercial courier service or otherwise, to the individual or to a member of the firm or to an officer of the corporation for which it is intended;
(ii) delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the sender of the notice; or
(iii) sent to PWC or Contractor's designee(s) via email, with a confirmation of receipt.

Section 14.03 Computation of Times

(a) When any period of time is referred to in the Contract by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

Section 14.04 Cumulative Remedies

(a) The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which

are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

Section 14.05 Limitation of Damages

(a) With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither PWC nor Design Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

Section 14.06 No Waiver

(a) A party's non-enforcement of any provision shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or any other provision of the Contract Documents.

Section 14.07 Survival of Obligations

(a) All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Agreement or termination of the services of Contractor.

Section 14.08 Controlling Law

(a) The Agreement shall be governed by the law of the State of North Carolina.

Section 14.09 Headings

(a) Article and paragraph headings, numbers, and letters are inserted for convenience only and do not constitute parts of these General Conditions.

DIVISION 1

PERFORMANCE BOND

Date of Execution: _____

Name of Principal: _____

(Contractor)

Name of Surety: _____

Name of Contracting Body: Fayetteville Public Works Commission, Fayetteville, N.C.

Amount of Bond: _____

PROJECT: PWC2526001 - ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION

KNOW ALL MEN BY THESE PRESENTS, That We, the Principal and Surety above named, are held and firmly bound unto the above named Contracting Body, hereinafter called the Contracting Body, in the penal sum of the amount stated above the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these present.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal entered into a certain Contract with the Contracting Body, identified as shown above and hereto attached.

NOW, THEREFORE, if the Principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said Contract during the original term of said Contract and any extensions there of that may be granted by the Contracting Body, with or without notice to the Surety, and during the life of any Guaranty required under the Contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said Contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under the several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed, and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Executed in _____ counterparts.

Witness:	CONTRACTOR:
(Proprietorship of Partnership)	(Trade or Corporate Name)
By:	By:
Title:	Title:
(Corporate Secretary or Assistant Secretary, Only)	(Owner, Partner, Corporate President or Vice-President, Only) **(CORPORATE SEAL)**

Witness:	SURETY COMPANY:
	(Surety Company Name)
	By:
Countersigned:	Title:
(N.C. Licensed Resident Agent)	(Attorney in Fact) **(SURETY CORPORATE SEAL)**

PAYMENT BOND

Date of Execution: _____

Name of Principal: _____

(Contractor)

Name of Surety: _____

Name of Contracting

Body: Fayetteville Public Works Commission, Fayetteville, N.C.

Amount of Bond: _____

PROJECT: **PWC2526001 - ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION**

KNOW ALL MEN BY THESE PRESENTS, that We, the PRINCIPAL and Surety above named, are held and firmly bound unto the above named Contracting Body, hereinafter called the Contracting Body, in the penal sum of the amount stated above the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal entered into a certain Contract with the Contracting Body, identified as shown above and hereto attached.

NOW THEREFORE, if the Principal shall promptly make payment to all persons supplying labor and material in the prosecution of the work provided for in said contract, and any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under the several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed, and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Executed in _____ counterparts.

Witness:	CONTRACTOR:
_____	_____
(Proprietorship of Partnership)	(Trade or Corporate Name)
By:	By:
_____	_____
Title:	Title:
_____	_____
(Corporate Secretary or Assistant Secretary, Only)	(Owner, Partner, Corporate President or Vice-President, Only) **(CORPORATE SEAL)**

Witness:	SURETY COMPANY:
_____	_____
	(Surety Company Name)
	By:
Countersigned:	_____
	Title:
_____	_____
(N.C. Licensed Resident Agent)	(Attorney in Fact) **(SURETY CORPORATE SEAL)**

POWER OF ATTORNEY
(ATTACH)

CERTIFICATE(S) OF INSURANCE
(Attach)

NOTICE TO PROCEED

TO: _____ Date: _____

PROJECT: **PWC2526001 ANNUAL CONTRACT FOR OVERHEAD DISTRIBUTION**

You are hereby notified to commence work in accordance with the Contract dated _____, 2025, on or before _____, 2025, and you are to complete the WORK within the **contract period** thereafter. The date of final completion therefore is _____.

FAYETTEVILLE PUBLIC WORKS COMMISSION

BY: _____

Nikole Bohannon

Procurement Manager

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged this the _____ day of _____, 2025.

(CONTRACTOR)

BY: _____

TITLE: _____

APPENDIX A - COMPATIBLE UNIT BOOK

POLES

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PW30C5	POLE, WOOD, 30', CLASS 5	1-220-410	1
	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	40'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW35C5	POLE, WOOD, 35', CLASS 5	1-220-420	1
	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW35C3	POLE, WOOD, 35', CLASS 3	1-220-277	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW40C2	POLE, WOOD, 40', CLASS 2	1-220-200	1
	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW40C4	POLE, WOOD, 40', CLASS 4	1-220-360	1
	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW45C3	POLE, WOOD, 45', CLASS 3	1-220-290	1
	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	50'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW45C1	POLE, WOOD, 45', CLASS 1	1-220-115	1
	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	50'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW50C3	POLE, WOOD, 50', CLASS 3	1-220-300	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	55'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW50C1	POLE, WOOD, 50', CLASS 1	1-220-120	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	55'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.

WOOD POLES
ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: DEC. 16, 2008

ASSEMBLY ID.
WOOD POLES
SHT. 1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PW55C3	POLE, WOOD, 55', CLASS 3	1-220-310	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	60'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW55C1	POLE, WOOD, 55', CLASS 1	1-220-130	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	60'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW60C1	POLE, WOOD, 60', CLASS 1	1-220-140	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	65'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW65C1	POLE, WOOD, 65', CLASS 1	1-220-150	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	70'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW70C1	POLE, WOOD, 70', CLASS 1	1-220-160	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	80'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW75C1	POLE, WOOD, 75', CLASS 1	1-220-170	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	85'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW80C1	POLE, WOOD, 80', CLASS 1	1-220-180	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	90'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW80C0	POLE, WOOD, 80', CLASS 0	1-220-100	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	90'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW85C0	POLE, WOOD, 85', CLASS 0	1-220-110	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	95'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.

WOOD POLES ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: September 14, 2005

ASSEMBLY ID.
WOOD POLES SHT. 2

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PW85C1	POLE, WOOD, 85', CLASS 1	1-220-190	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	95'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW90C0	POLE, WOOD, 90', CLASS 0	1-220-112	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	100'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW90C1	POLE, WOOD, 90', CLASS 1	1-220-194	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	100'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW95C0	POLE, WOOD, 95', CLASS 0	1-220-114	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	105'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW95C1	POLE, WOOD, 95', CLASS 1	1-220-195	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	105'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.

WOOD POLES ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: September 14, 2005

ASSEMBLY ID.

WOOD POLES SHT. 3

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PW30C7	POLE, WOOD, 30', CLASS 7	1-220-470	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	40'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW30C6	POLE, WOOD, 30', CLASS 6	1-220-460	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	40'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW30C4	POLE, WOOD, 30', CLASS 4	1-220-340	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	40'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW30C3	POLE, WOOD, 30', CLASS 3	1-220-275	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	40'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW35C6	POLE, WOOD, 35', CLASS 6	1-220-465	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW35C4	POLE, WOOD, 35', CLASS 4	1-220-350	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW40C5	POLE, WOOD, 40', CLASS 5	1-220-430	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW40C3	POLE, WOOD, 40', CLASS 3	1-220-280	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	45'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW45C5	POLE, WOOD, 45', CLASS 5	1-220-440	1
	CONDUCTOR, #4 AWG CUWELD, SOFT	1-065-045	50'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.

FOR REMOVAL ONLY

WOOD POLES
ASSEMBLIES
REMOVAL ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 20, 2013

ASSEMBLY ID.
WOOD POLES
SHT. 4

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PW45C4	POLE, WOOD, 45', CLASS 4	1-220-370	1
	CONDUCTOR, #4 CUWELD, SOFT	1-065-045	50'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW45C2	POLE, WOOD, 45', CLASS 2	1-220-210	1
	CONDUCTOR, #4 CUWELD, SOFT	1-065-045	50'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.
PW50C5	POLE, WOOD, 50', CLASS 5	1-220-450	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	55'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW50C4	POLE, WOOD, 50', CLASS 4	1-220-380	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	55'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW50C2	POLE, WOOD, 50', CLASS 2	1-220-220	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	55'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW55C4	POLE, WOOD, 55', CLASS 4	1-220-390	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	60'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW55C2	POLE, WOOD, 55', CLASS 2	1-220-220	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	60'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW60C4	POLE, WOOD, 60', CLASS 4	1-220-400	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	65'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW60C3	POLE, WOOD, 60', CLASS 3	1-220-320	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	65'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.

FOR REMOVAL ONLY

WOOD POLES
ASSEMBLIES
REMOVAL ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 20, 2013

ASSEMBLY ID.
WOOD POLES
SHT. 5

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PW60C2	POLE, WOOD, 60', CLASS 2	1-220-240	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	65'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW65C4	POLE, WOOD, 65', CLASS 4	1-220-405	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	70'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW65C3	POLE, WOOD, 65', CLASS 3	1-220-325	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	70'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW65C2	POLE, WOOD, 65', CLASS 2	1-220-250	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	70'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW70C3	POLE, WOOD, 70', CLASS 3	1-220-330	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	80'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW70C2	POLE, WOOD, 70', CLASS 2	1-220-260	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	80'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW75C3	POLE, WOOD, 75', CLASS 3	1-220-335	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	85'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW75C2	POLE, WOOD, 75', CLASS 2	1-220-270	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	85'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.
PW80C2	POLE, WOOD, 80', CLASS 2	1-220-271	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	90'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.

FOR REMOVAL ONLY

WOOD POLES
ASSEMBLIES
REMOVAL ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: September 14, 2005

ASSEMBLY ID.
WOOD POLES SHT. 6

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PW85C2	POLE, WOOD, 85', CLASS 2	1-220-272	1
	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	95'
	STAPLE, GROUND WIRE, SMALL	1-340-490	1 lb.

FOR REMOVAL ONLY

WOOD POLES ASSEMBLIES REMOVAL ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: September 14, 2005

ASSEMBLY ID.
WOOD POLES SHT. 7

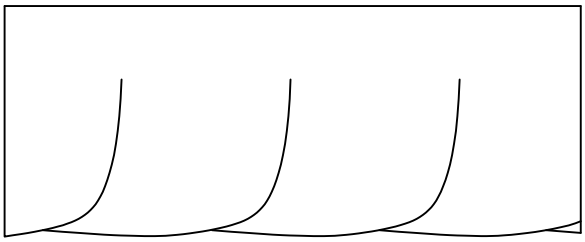
ASSEMBLY ID.	MATERIAL DESCRIPTION
SAWPOLE	SECURE POLE USING LINE TRUCK OR OTHER MEANS. SAW THROUGH POLE 6" ABOVE THE HIGHEST COMMUNICATION ATTACHMENT FOLLOWING THE REMOVAL OF ALL PRIMARY AND SECONDARY POWER ATTACHMENTS. LOWER POLE TOP TO GROUND AND RETURN TO WAREHOUSE YARD. APPLIES TO POLES 50' AND SHORTER IN LENGTH.
PULLSTUB	REMOVE POLE REMAINDER FOLLOWING TRANSFER OF COMMUNICATION CIRCUITS USING DERRICK WINCH AND/OR POLE JACK. FILL AND TAMP STUB HOLE USING STABLE BACKFILL IN SUCCESSIVE LIFTS BACK TO SURROUNDING GRADE. TRANSPORT POLE STUB TO WAREHOUSE YARD AND UNLOAD ONTO POLE SCRAP FILE.
RECANT	ROTATE FRESHLY SET POLE UP TO 90 DEGREES AS DIRECTED TO REALIGN LIGHTING FIXTURES OR CORRECT HARDWARE MISALIGNMENT. APPLIES TO UNGUYED POLES UP TO 40' IN LENGTH THAT HAVE BEEN IN PLACE FOR LESS THAN TWO WEEKS.
PLUMBUP	LOOSEN FOUNDATION SOIL AROUND POLE AND STRAIGHTEN VERTICAL ALIGNMENT OR TO NEW RAKE AS SPECIFIED. FILL VOID WITH "POLE SETTING FOAM" (STOCK #1-220-800), BACKFILL AND RETAMP THOROUGHLY TO ENSURE NEW ALIGNMENT.
SAMEHOLE	ADDED LABOR AND EQUIPMENT NEEDED TO SET NEW POLE IN HOLE LEFT BY POLE REPLACED. CONTRACTOR WILL STABILIZE EXISTING LINES AND ATTACHMENTS USING TEMPORARY LINE IMPLEMENTS OR POLE TOP SAWED AND HELD BY LINE TRUCK; REMOVE POLE OR POLE STUB; ENLARGE HOLE TO ACCEPT NEW POLE; INSTALL POLE IN SAME HOLE; BACKFILL AND TAMP TO GRADE.
POLEKICK	LABOR AND EQUIPMENT USED TO RE-EXCAVATE AND MOVE A POLE BUTT UP TO 24" AS DIRECTED BY WORK ORDER.
NOAUGERD	LABOR AND EQUIPMENT USED TO EXCAVATE A NEW DISTRIBUTION POLE HOLE USING HAND TOOLS ONLY TO AVOID OR UNCOVER AN OBSTACLE. ASSEMBLY IS IN UNITS OF FEET OF HAND DIGGING BEFORE OBSTACLE IS ENCOUNTERED AND AUGER CAN BE USED TO FINISH EXCAVATION.
NOAUGERT	LABOR AND EQUIPMENT USED TO EXCAVATE A NEW TRANSMISSION POLE HOLE USING HAND TOOLS ONLY TO AVOID OR UNCOVER AN OBSTACLE. ASSEMBLY IS IN UNITS OF FEET OF HAND DIGGING BEFORE OBSTACLE IS ENCOUNTERED AND AUGER CAN BE USED TO FINISH EXCAVATION.
POLEDRILL	LABOR AND EQUIPMENT USED TO DRILL HOLES AS REQUIRED IN STEEL POLES. ASSEMBLY IS BY THE NUMBER OF HOLES DRILLED COMPLETELY THROUGH THE POLE.
POLEHOLD	LABOR AND EQUIPMENT USED TO HOLD POLE FOR ADJACENT CONSTRUCTION OR DIGGING. ASSEMBLY IS IN HOURLY INCREMENTS.
SETDEEP	LABOR AND EQUIPMENT REQUIRED TO EXCAVATE ADDITIONAL DEPTH ABOVE AND BEYOND NORMAL POLE SETTING DEPTHS. ASSEMBLY IS BASED ON 1 FOOT INCREMENTS OF ADDITIONAL DEPTH.

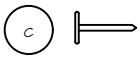
MISCELLANEOUS WOOD POLE ASSEMBLIES

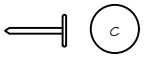
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

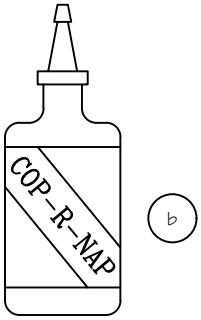
DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: December 14, 2012

ASSEMBLY ID.
MISC.
WPOLES
SHT. 1









ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	TOPTREAT QUANTITY	QUANTITY	QUANTITY
a	BANDAGE, 15" POLE TOP	1-220-807	1		
b	FLUID, COPPER NAPTHENATE, 16 oz.	1-220-808	1		
c	NAIL, ALUMINUM, 1-1/2"	1-340-320	1/2 lb.		

POLE-TOP TREATMENT BANDAGE & FLUID

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

TOPTREAT

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PF47BW	POLE, FIBERGLASS, 47' GREY, BREAKAWAY	1-220-047	1
PF38BW	POLE, FIBERGLASS, 38' GREY, BREAKAWAY	1-220-049	1
PF35GR	POLE, FIBERGLASS, 35', GRAY	1-220-057	1
PF35GS	POLE, FIBERGLASS, 35', SMOOTH, GRAY	1-220-053	1
PF35BK	POLE, FIBERGLASS, 35', BLACK	1-220-058	1
PF35BS	POLE, FIBERGLASS, 35', SMOOTH, BLACK	1-220-054	1
PF24GR	POLE, FIBERGLASS, 24' GREY	1-220-050	1
PF24BK	POLE, FIBERGLASS, 24' BLACK	1-220-052	1
PF20GR	POLE, FIBERGLASS, 20' GREY	1-220-055	1
PF12BK	POLE, FIBERGLASS, 12' BLACK	1-220-059	1
PF12BK	POLE, FIBERGLASS, 12' BLACK	1-220-059	1
	(FOR DOWNTOWN USE ONLY)		

FOR REMOVAL ONLY

FOR REMOVAL ONLY

FOR REMOVAL ONLY

FIBERGLASS POLE ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REV: April 20, 2015

ASSEMBLY ID.
FIBERGLASS POLES
SHT. 1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PS14DEC	POLE, STEEL, 14' BLACK, ST. LGT.	1-220-075	1
	FOR REMOVAL ONLY		
PS24XX	POLE, STEEL, 24'	1-220-080	1
	FOR REMOVAL ONLY		
PS30XX	POLE, STEEL, 30'	1-220-090	1
	FOR REMOVAL ONLY		
PL75H1	POLE, STEEL, BOTTOM, 75', GALVANIZED	1-220-501	1
	POLE, STEEL, TOP, GALVANIZED	1-220-500	1
PL80H1	POLE, STEEL, BOTTOM, 80', GALVANIZED	1-220-502	1
	POLE, STEEL, TOP, GALVANIZED	1-220-500	1
PL85H1	POLE, STEEL, BOTTOM, 85', GALVANIZED	1-220-503	1
	POLE, STEEL, TOP, GALVANIZED	1-220-500	1
PL90H1	POLE, STEEL, BOTTOM, 90', GALVANIZED	1-220-504	1
	POLE, STEEL, TOP, GALVANIZED	1-220-500	1
PL75H3	POLE, STEEL, TOP, GALVANIZED	1-220-510	1
	POLE, STEEL, BOTTOM, 75', GALVANIZED	1-220-511	1
PL80H3	POLE, STEEL, TOP, GALVANIZED	1-220-510	1
	POLE, STEEL, BOTTOM, 80', GALVANIZED	1-220-512	1

STEEL POLES ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE:
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised June 15, 2004

ASSEMBLY ID.
STEEL POLES SHT. 1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PS70H1	POLE, GALVANIZED STEEL, 70', H1	1-220-530	1
PS70H2	POLE, GALVANIZED STEEL, 70', H2	1-220-540	1
PS70H3	POLE, GALVANIZED STEEL, 70', H3	1-220-550	1
PS75H1	POLE, GALVANIZED STEEL, 75', H1	1-220-535	1
PS75H2	POLE, GALVANIZED STEEL, 75', H2	1-220-545	1
PS75H3	POLE, GALVANIZED STEEL, 75', H3	1-220-555	1
PS80H3	POLE, GALVANIZED STEEL, 80', H3	1-220-560	1
PS85H3	POLE, GALVANIZED STEEL, 85', H3	1-220-565	1

STEEL POLES ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MAY 15, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: January 12, 2011

ASSEMBLY ID.
STEEL POLES SHT. 2

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PS45042	POLE, TUBULAR GALVANIZED STEEL, 45', S-04.2	1-220-610	1
PS60042	POLE, TUBULAR GALVANIZED STEEL, 60', S-04.2	1-220-640	1
PS65042	POLE, TUBULAR GALVANIZED STEEL, 65', S-04.2	1-220-645	1
PS70042	POLE, TUBULAR GALVANIZED STEEL, 70', S-04.2	1-220-650	1
PS70049	POLE, TUBULAR GALVANIZED STEEL, 70', S-04.9	1-220-655	1
PS75042	POLE, TUBULAR GALVANIZED STEEL, 75', S-04.2	1-220-660	1
PS75049	POLE, TUBULAR GALVANIZED STEEL, 75', S-04.9	1-220-665	1
PS80042	POLE, TUBULAR GALVANIZED STEEL, 80', S-04.2	1-220-670	1
PS80049	POLE, TUBULAR GALVANIZED STEEL, 80', S-04.9	1-220-675	1

STEEL POLES ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JANUARY 17, 2012
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
STEEL POLES SHT. 3

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PS45042	POLE, TUBULAR GALVANIZED STEEL, 45', S-04.2	1-220-610	1
PS60042	POLE, TUBULAR GALVANIZED STEEL, 60', S-04.2	1-220-640	1
PS65042	POLE, TUBULAR GALVANIZED STEEL, 65', S-04.2	1-220-645	1
PS70042	POLE, TUBULAR GALVANIZED STEEL, 70', S-04.2	1-220-650	1
PS70049	POLE, TUBULAR GALVANIZED STEEL, 70', S-04.9	1-220-655	1
PS75042	POLE, TUBULAR GALVANIZED STEEL, 75', S-04.2	1-220-660	1
PS75049	POLE, TUBULAR GALVANIZED STEEL, 75', S-04.9	1-220-665	1
PS80042	POLE, TUBULAR GALVANIZED STEEL, 80', S-04.2	1-220-670	1
PS80049	POLE, TUBULAR GALVANIZED STEEL, 80', S-04.9	1-220-675	1

STEEL POLES ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: SEPTEMBER 5, 2013
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
STEEL POLES SHT. 4

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
PC35XX	POLE, CONCRETE, 35'	1-220-030	1
PC45X2	POLE, CONCRETE, 45' CLASS 295	1-220-035	1
PC45X1	POLE, CONCRETE, 45' CLASS 81	1-220-045	1
PC38BK	POLE, CONCRETE, 38', 6 FIXTURES, BLACK	1-220-039	1
PC38XX	POLE, CONCRETE, 38', 6 FIXTURES	1-220-037	1
PA24XX	POLE, ALUMINUM, 24'	1-220-005	1

FOR REMOVAL ONLY

ALUMINUM AND CONCRETE POLE ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE, N.C.

DRAWN BY: D. ANDRESS	DATE: OCTOBER 20, 2006
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	

ASSEMBLY ID.
ALUMINUM CONCRETE POLES SHT. 1

ASSEMBLY ID.	MATERIAL DESCRIPTION
PCSETABC	ADDITIONAL LABOR, EQUIPMENT, AND CONSUMABLES NEEDED TO BACKFILL A CONCRETE POLE INSTALLATION USING CRUSHER RUN MIXED (ABC) STONE IN SUCCESSIVE COMPACTED LIFTS TO FINISH GRADE.
PCSETCON	ADDITIONAL LABOR, EQUIPMENT, AND CONSUMABLES NEEDED TO BACKFILL A CONCRETE POLE INSTALLATION USING VIBRATED 3000# MCS PEA-GRAVEL CONCRETE TO FINISH GRADE.

MISCELLANEOUS CONCRETE POLE ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
MISC.
CPOLES
SHT. 1

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GROUNDING

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
GND30P	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	35'
	STAPLE GROUND WIRE, SMALL	1-340-490	1/2 lb.
GND35P	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	40'
	STAPLE GROUND WIRE, SMALL	1-340-490	1/2 lb.
GND40P	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	40'
	STAPLE GROUND WIRE, SMALL	1-340-490	1/2 lb.
GND45P	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	45'
	STAPLE GROUND WIRE, SMALL	1-340-490	1/2 lb.
GND50P	CONDUCTOR, #2 AWG CU SOFT	1-065-025	45'
	STAPLE GROUND WIRE, SMALL	1-340-490	1/2 lb.
GND55P	CONDUCTOR, #2 AWG CU SOFT	1-065-025	50'
	STAPLE GROUND WIRE, SMALL	1-340-490	1 lb.
GND60P	CONDUCTOR, #2 AWG CU SOFT	1-065-025	40'
	STAPLE GROUND WIRE, SMALL	1-340-490	1 lb.
GND65P	CONDUCTOR, #2 AWG CU SOFT	1-065-025	40'
	STAPLE GROUND WIRE, SMALL	1-340-490	1 lb.
GND70P	CONDUCTOR, #2 AWG CU SOFT	1-065-025	40'
	STAPLE GROUND WIRE, SMALL	1-340-490	1 lb.

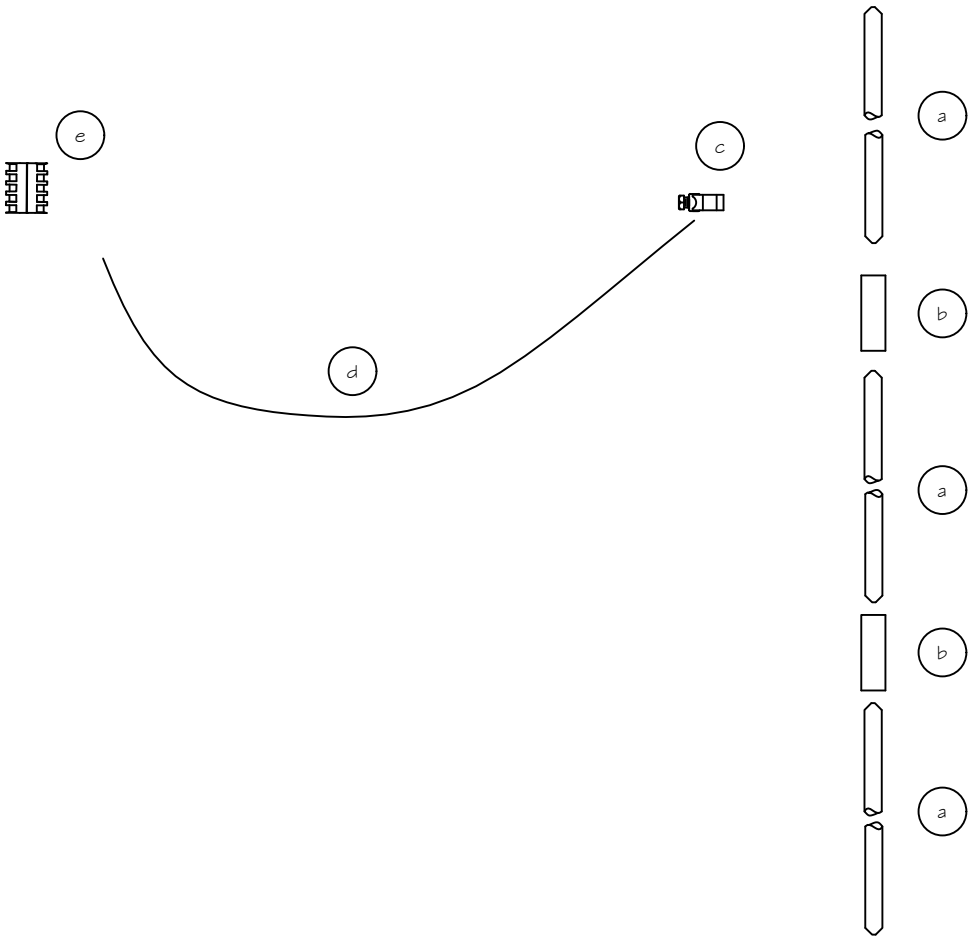
GROUNDING ASSEMBLIES FOR WOOD POLES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: DEC. 16, 2008

ASSEMBLY ID.

POLE GROUNDS



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GND310S	GND310ST	
			QUANTITY	QUANTITY	QUANTITY
a	ROD, GROUND, 5/8" x 10', CU-CLAD	1-255-070	3	3	
b	BRONZE, 5/8", COUPLING, THREADED	1-095-010	2	2	
c	GROUND CLAMP, 5/8" COPPERWELD	1-050-050	1	1	
d	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	6'	-	
d	CONDUCTOR, #2 SOFT CU., TINNED	1-065-027	-	6'	
e	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	1	1	

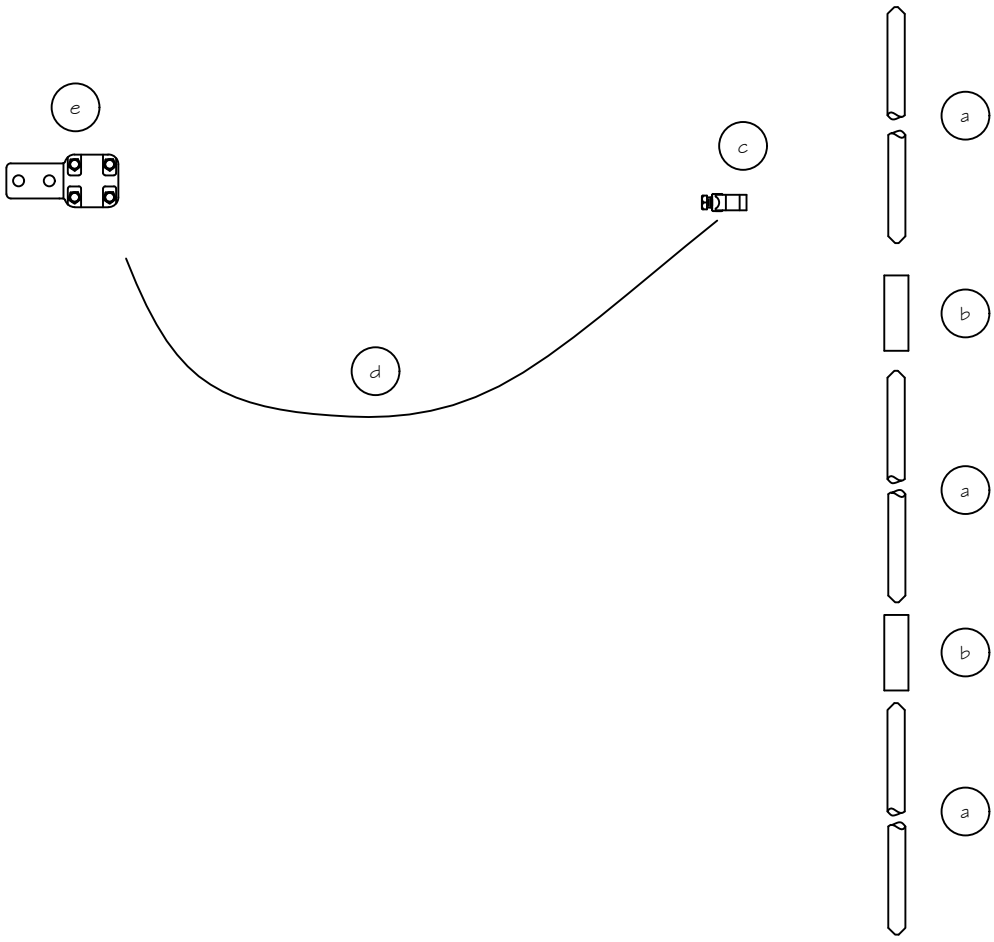
DRIVEN GROUND
3 - 10' SECTIONS
#2 CU and #2 CU TINNED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. GIBBS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GND310S
GND310ST



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GND310S-SP	GND310ST-SP	
			QUANTITY	QUANTITY	QUANTITY
a	ROD, GROUND, 5/8" x 10', CU-CLAD	1-255-070	3	3	
b	BRONZE, 5/8", COUPLING, THREADED	1-095-010	2	2	
c	GROUND CLAMP, 5/8" COPPERWELD	1-050-050	1	1	
d	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	6'	-	
d	CONDUCTOR, #2 SOFT CU., TINNED	1-065-027	-	6'	
e	TERMINAL, BNZ., 2-HOLE SPADE, #4 - 250 MCM	1-075-040	1	1	

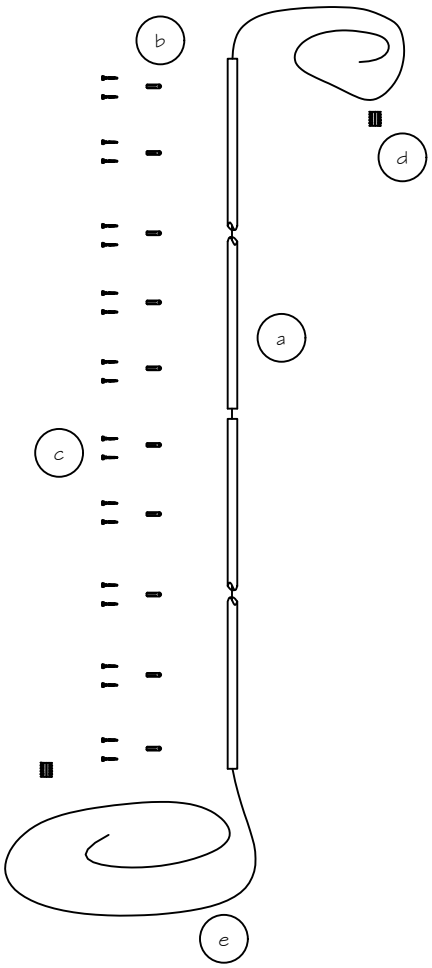
STEEL POLE
DRIVEN GROUND
3 - 10' SECTIONS
#2 CU and #2 CU TINNED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MARCH 17, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GND310S-SP
GND310ST-SP



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDGRD I		
			QUANTITY	QUANTITY	QUANTITY
a	CONDUIT, 1", PVC	1-070-020	20'		
b	STRAP, CONDUIT, H.D., 1"	1-070-665	10		
c	SCREW, LAG, 1/4" x 2 1/2"	1-325-915	20		
d	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	2		
e	CONDUCTOR, #2 AWG CU SOFT	1-065-025	26'		

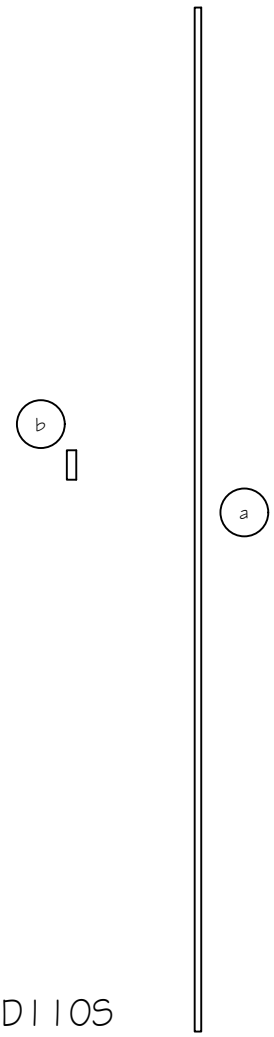
REPLACEMENT
POLE GROUND w/GUARD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

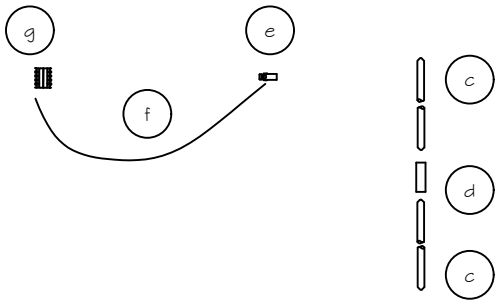
DRAWN BY: D.GIBBS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDGRD I



GND110S



GND28S or
GND210S

FOR REMOVAL ONLY

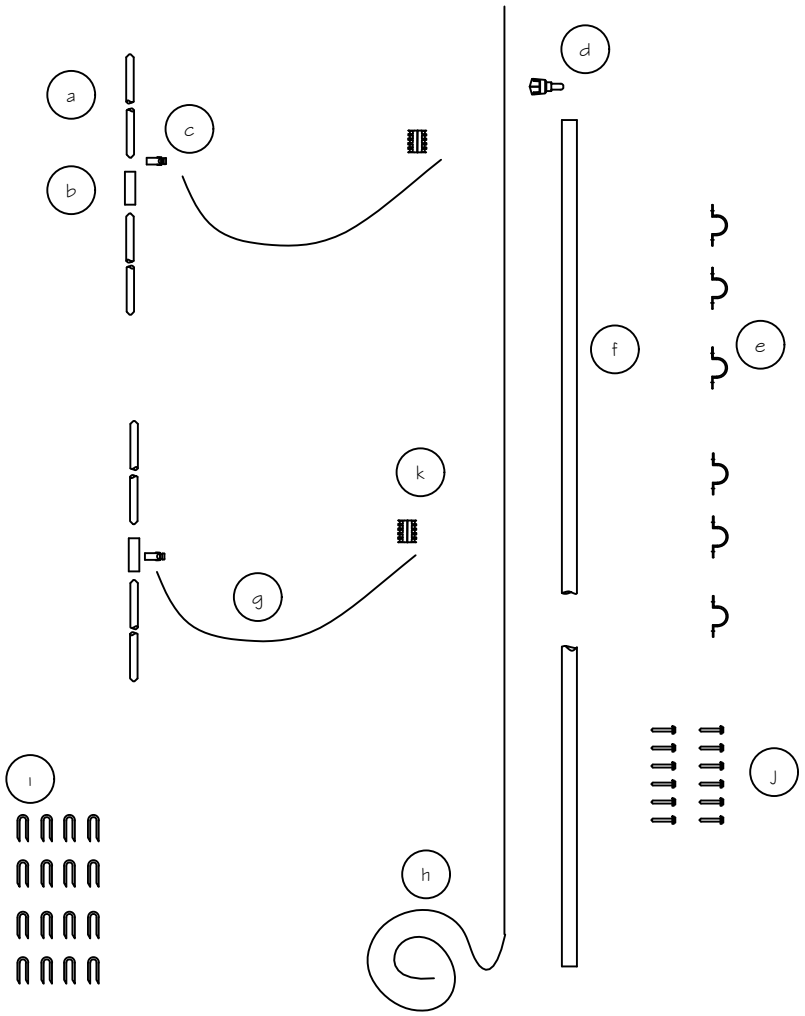
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GND110S	GND28S	GND210S
			QUANTITY	QUANTITY	QUANTITY
a	ROD, GROUND, 5/8" x 10', CU-CLAD	1-255-070	1	-	2
b	BRONZE, 5/8", COUPLING, THREADED	1-095-010	1	-	1
c	ROD, GROUND, 5/8" x 8', CU-CLAD	1-255-060	-	2	-
d	BRONZE, 5/8", COUPLING, THREADLESS	1-095-015	-	1	-
e	GROUND, CLAMP, 5/8" COPPERWELD	1-050-050	-	1	1
f	CONDUCTOR, #4 BARE CU	1-065-045	-	6'	-
f	CONDUCTOR, #4 AWG CUWELD SOFT	1-056-045	-	-	6'
g	CONNECTOR, PRL. GRVE. COMP., #4 - #4 CU	1-075-313	-	-	1
g	CONNECTOR, PRL. GRVE. COMP., #4 - #4 CU	1-075-313	-	-	1

DRIVEN GROUNDS
8' AND 10' SECTIONS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: D.GIBBS
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: DEC. 16, 2008

ASSEMBLY ID.
GND110S
GND28S
GND210S



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GND20APP QUANTITY	QUANTITY	QUANTITY
a	ROD, GROUND, 5/8" x 10', CU-CLAD, SECTIONAL	1-255-070	4		
b	GROUND CLAMP, #2 x 5/8" BRONZE	1-050-050	2		
c	COUPLING, THREADED GROUND ROD, 5/8" CU.	1-095-010	2		
d	LUG, #42, TAP	1-075-050	1		
e	STRAP, CONDUIT, H.D., 1"	1-070-665	6		
f	RIGID, PVC, 1"	1-070-020	10'		
g	CONDUCTOR, #4 BARE CU	1-065-040	12'		
h	CONDUCTOR, 2/0 AWG SOFT DRAWN COPPER	1-065-177	50'		
i	STAPLES, GROUNDWIRE, LARGE	1-340-500	1/2 lb.		
j	SCREW, CUSHIONED LAG, 1/4" x 2"	1-325-917	12		
k	CONNECTOR, PRL. GRVE. COMP., #2/0 - #2 CU	1-075-316	2		

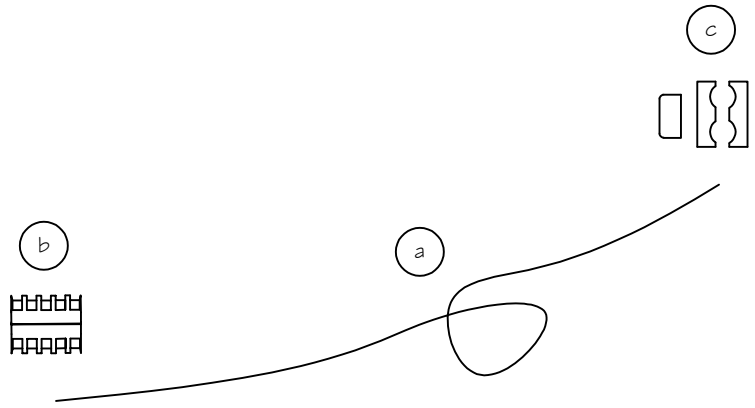
2/0 APPARATUS GROUND

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GND20APP



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BLTBNDST QUANTITY	BLTBNDLT QUANTITY	QUANTITY
a	CONDUCTOR, #2 SOFT CU., TINNED	1-065-027	3'	3'	
b	CONNECTOR, PRL. GRVE., COMP., #2-#2 CU	1-075-314	1	1	
c	CLAMP, GROUNDING, 5/8"	1-050-074	1	-	
c	CLAMP, GROUNDING, 3/4"	1-050-069	-	1	

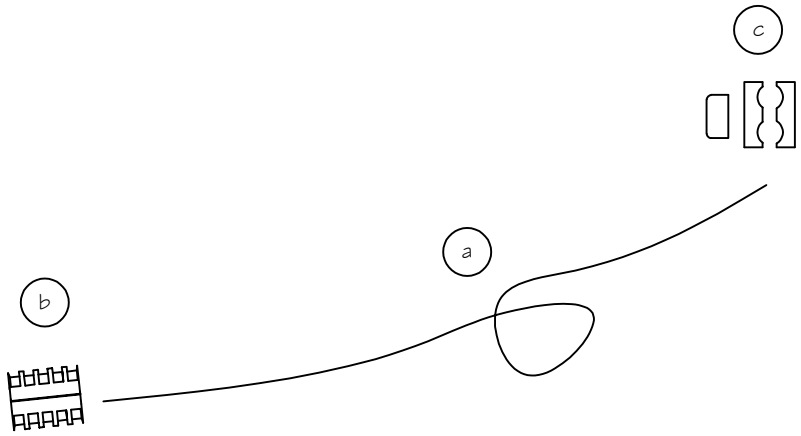
BONDING JUMPER FOR BOLTS (TINNED CONDUCTOR)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BLTBNDST
BLTBNDLT



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BLTBONDS QUANTITY	BLTBONDL QUANTITY	QUANTITY
a	CONDUCTOR, #2 AWG CU SOFT	1-065-025	2'	2'	
b	CONNECTOR, PRL, GRVE., COMP, #2- #2CU.	1-075-314	1	1	
c	CLAMP, GROUNDING, 5/8"	1-050-074	1	-	
c	CLAMP, GROUNDING, 3/4"	1-050-069	-	1	

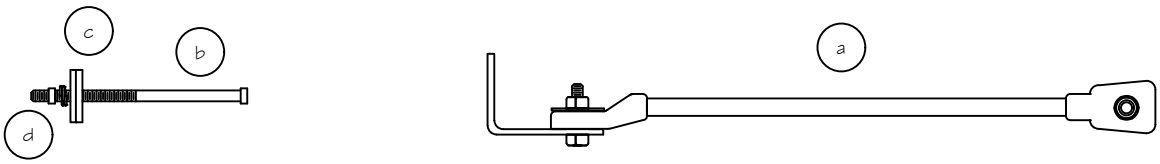
BONDER JUMPER FOR BOLTS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BLTBONDS
BLTBONDL



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDTS210		
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, INSULATED DOWNLEAD, 24"	1-025-245	1		
b	BOLT, MACHINE, 5/8" x 14", w/NUT	1-325-185	1		
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1		

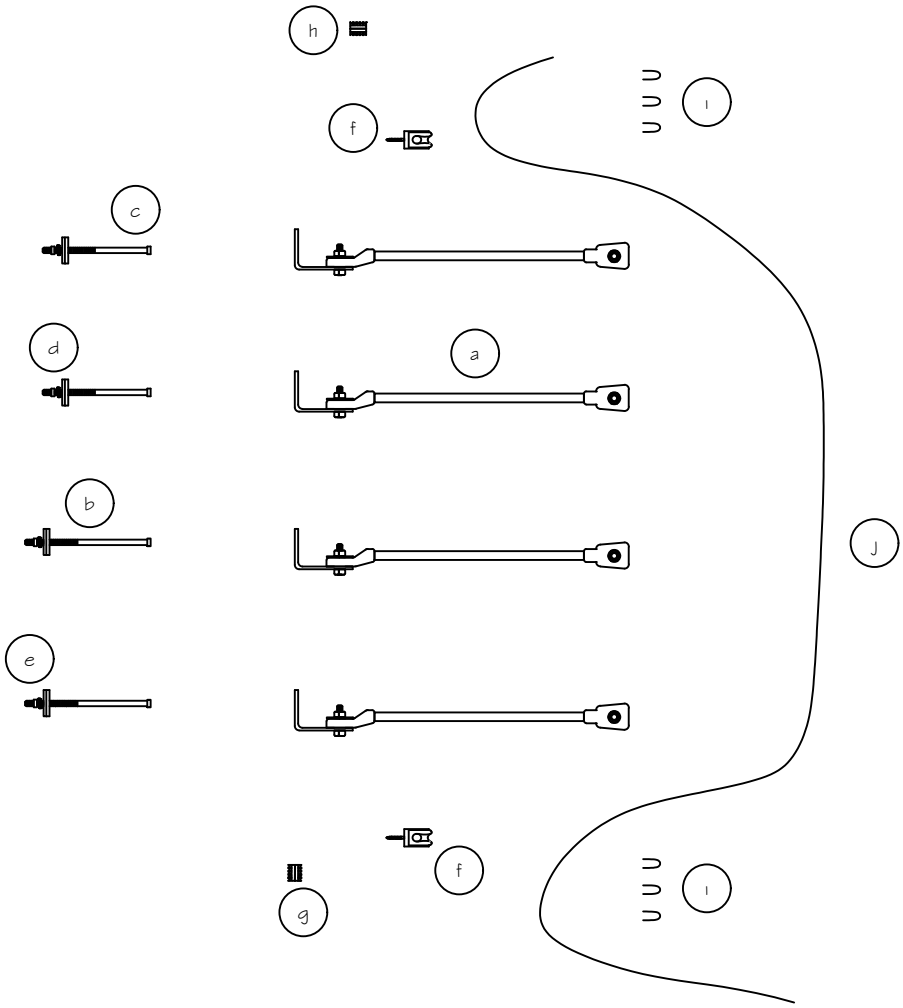
GROUND TRANSMISSION STANDOFF

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDTS210



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDTS230	GNDTS240	
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, INSULATED DOWNLEAD, 24"	1-025-245	4	6	
b	BOLT, MACHINE, 5/8" x 14", w/NUT	1-325-185	2	4	
c	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	4	6	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	4	6	
f	WIREHOLDER, PORCELAIN, REINFORCED	1-025-055	2	2	
g	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	1	1	
h	CONNECTOR, PRL. GRVE. COMP., #5/7	1-075-260	1	1	
i	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.	1/2 lb.	
j	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	30'	40'	

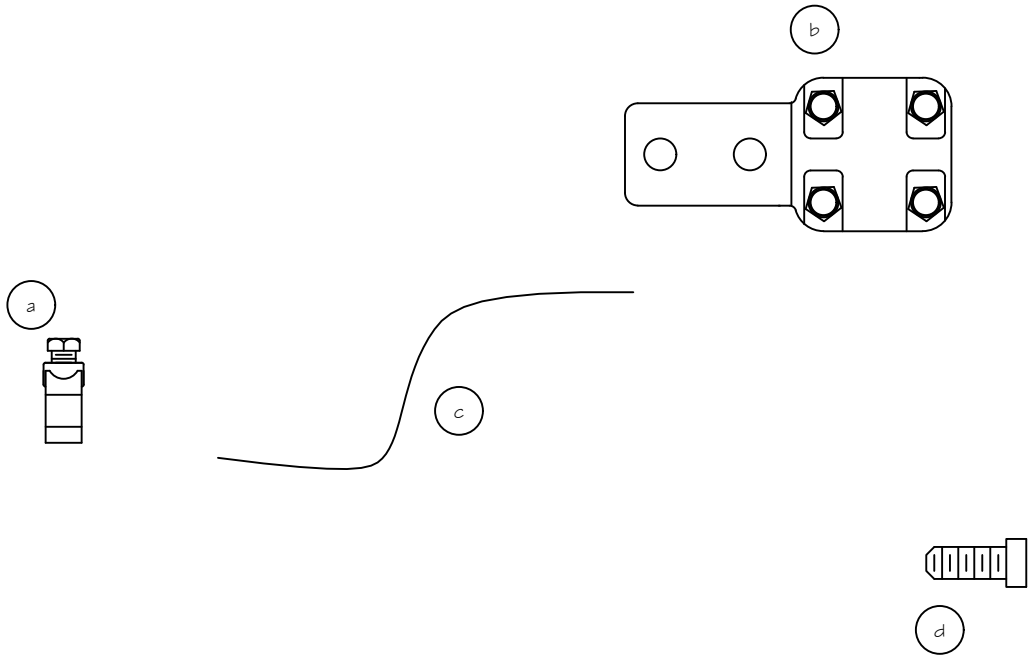
GROUND TRANSMISSION STANDOFF #2 CU. - 30' & 40'

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDTS230
GNDTS240



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDPS2 QUANTITY	QUANTITY	QUANTITY
a	CLAMP, GROUNDING, 5/8" COPPERWELD	1-050-050	1		
b	TERMINAL, BNZ., 2-HOLE SPADE, #4 - 250 MCM	1-075-040	1		
c	CONDUCTOR, #2 BARE CU.	1-065-025	6'		
d	BOLT, STAINLESS STEEL, 1/2" x 1-1/4"	1-325-238	2		

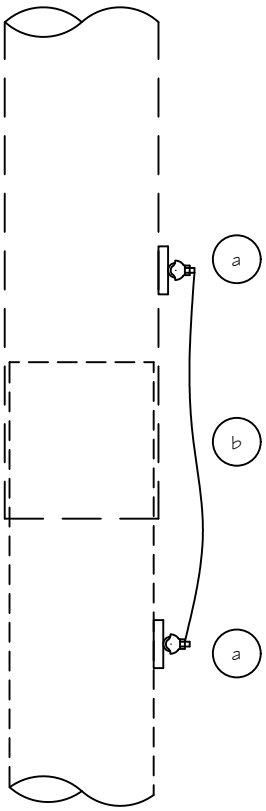
GROUNDING
(STEEL POLE TO GROUND ROD)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDPS2



NOTE:
IF GROUND PADS ARE NOT PROVIDED ON POLE, DRILL AND TAP POLE AS REQUIRED

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDPS3		
			QUANTITY	QUANTITY	QUANTITY
a	CONNECTOR, GRD, XMFR, #10 CU. SOLID - 1 CU. STR	1-075-030	2		
b	CONDUCTOR, #2 SOFT CU. TINNED	1-065-027	10'		

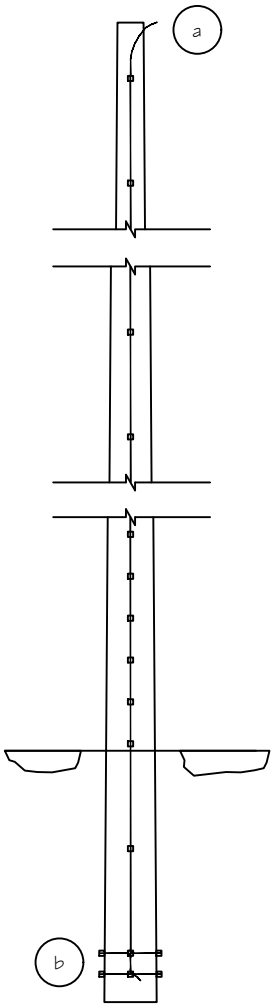
GROUNDING
STEEL POLE AT SLIPJOINT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: APRIL 5, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDPS3



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDPC2T		
			QUANTITY	QUANTITY	QUANTITY
a	CONDUCTOR, #2 SOFT CU., TINNED	1-065-027	110'		
b	CLAMP, GROUND WIRE, FOR 1/2" BOLT	1-050-071	30		

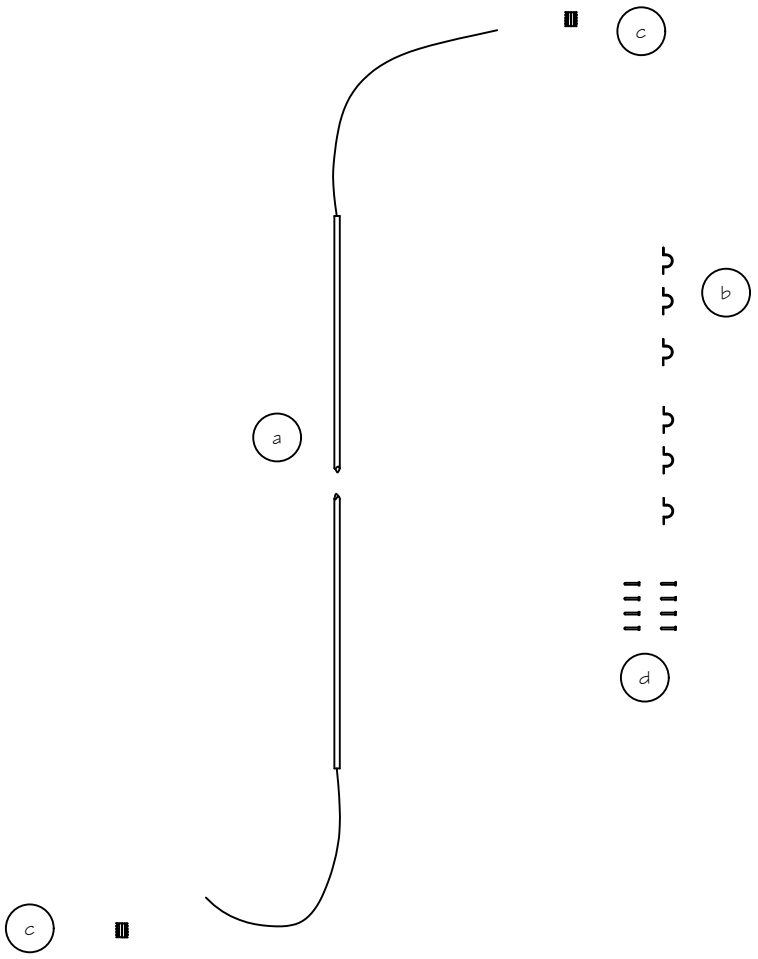
GROUND WIRE FOR CONCRETE POLES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDPC2T



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDP116 QUANTITY	GNDP120 QUANTITY	QUANTITY
a	GROUNDWIRE, INSULATED, 16'	1-065-810	1	-	
a	GROUNDWIRE, INSULATED, 20'	1-065-820	-	1	
b	STRAP, CONDUIT, H.D., 1"	1-070-665	8	10	
c	CONNECTOR, PRL. GRVE. COMP., #4 - #4 CU	1-075-313	2	2	
d	NAIL, #16, PENNY	3-865-070	1 LB.	1 LB.	

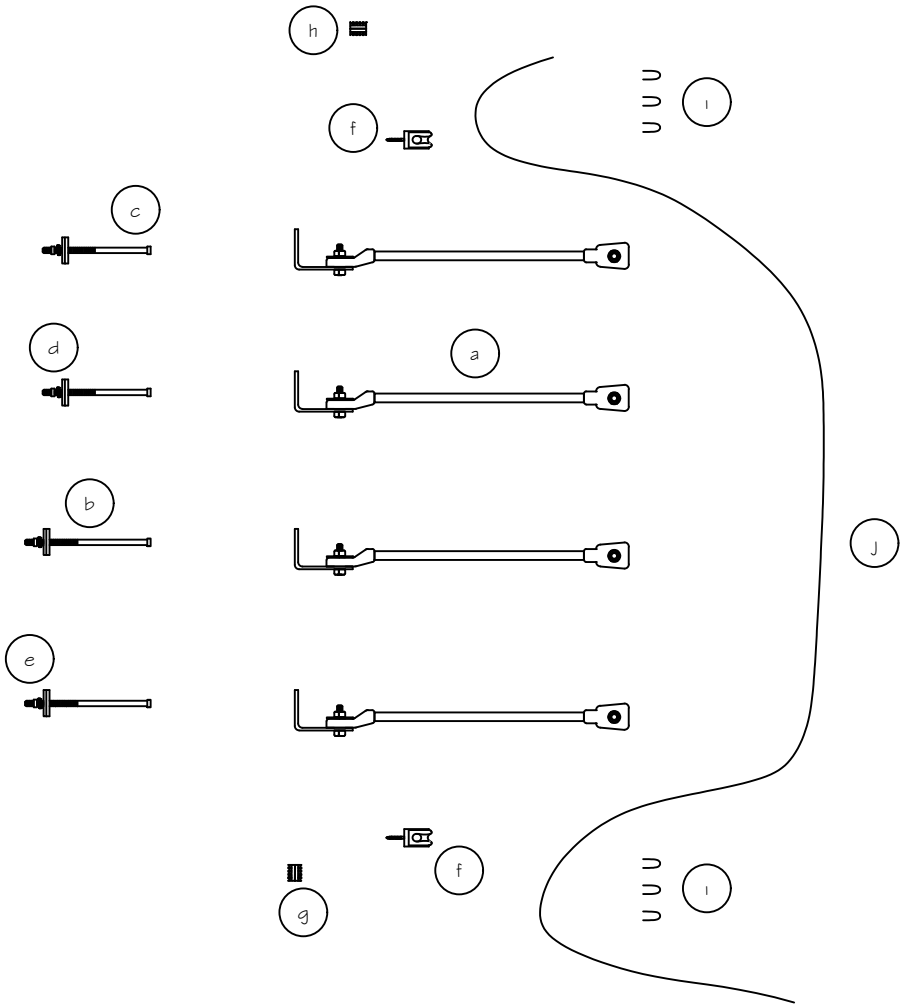
INSULATED GROUND DOWNLEADS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDP116
GNDP120



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GNDTS230	GNDTS240	
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, INSULATED DOWNLEAD, 24"	1-025-245	4	6	
b	BOLT, MACHINE, 5/8" x 14", w/NUT	1-325-185	2	4	
c	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	4	6	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	4	6	
f	WIREHOLDER, PORCELAIN, REINFORCED	1-025-055	2	2	
g	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	1	1	
h	CONNECTOR, PRL. GRVE. COMP., #5/7	1-075-260	1	1	
i	STAPLE, GROUND WIRE, SMALL	1-340-490	1/2 lb.	1/2 lb.	
j	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	30'	40'	

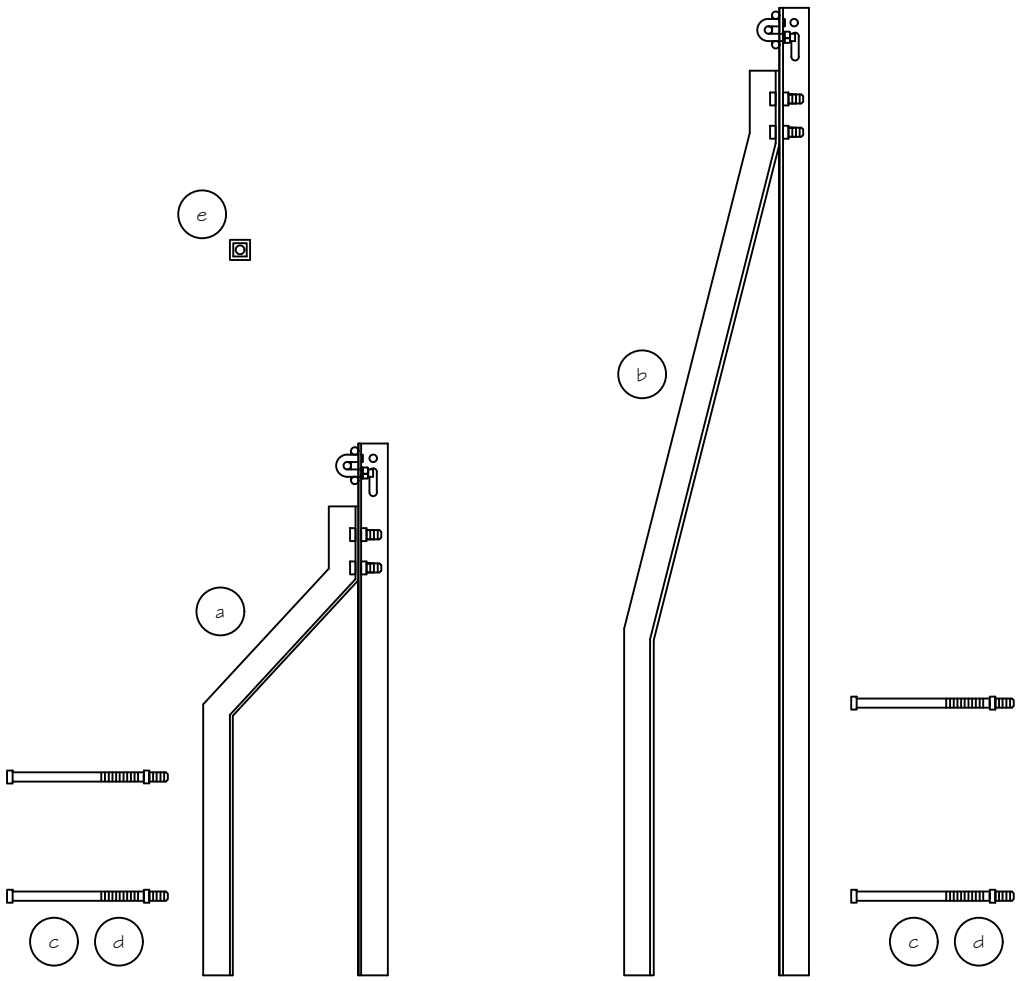
GROUND TRANSMISSION STANDOFF #2 CU. - 30' & 40'

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GNDTS230
GNDTS240



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GRDBAY36 QUANTITY	GRDBAY66 QUANTITY	QUANTITY
a	BAYONET, GROUND WIRE, 36"	1-025-340	1	-	
b	BAYONET, GROUND WIRE, 66"	1-025-350	-	1	
c	BOLT, MACHINE, 5/8" x 14" w/NUT	1-325-185	2	2	
d	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	2	2	
e	CLAMP, GROUNDING, 5/8"	1-050-074	1	1	

GROUND WIRE BAYONET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

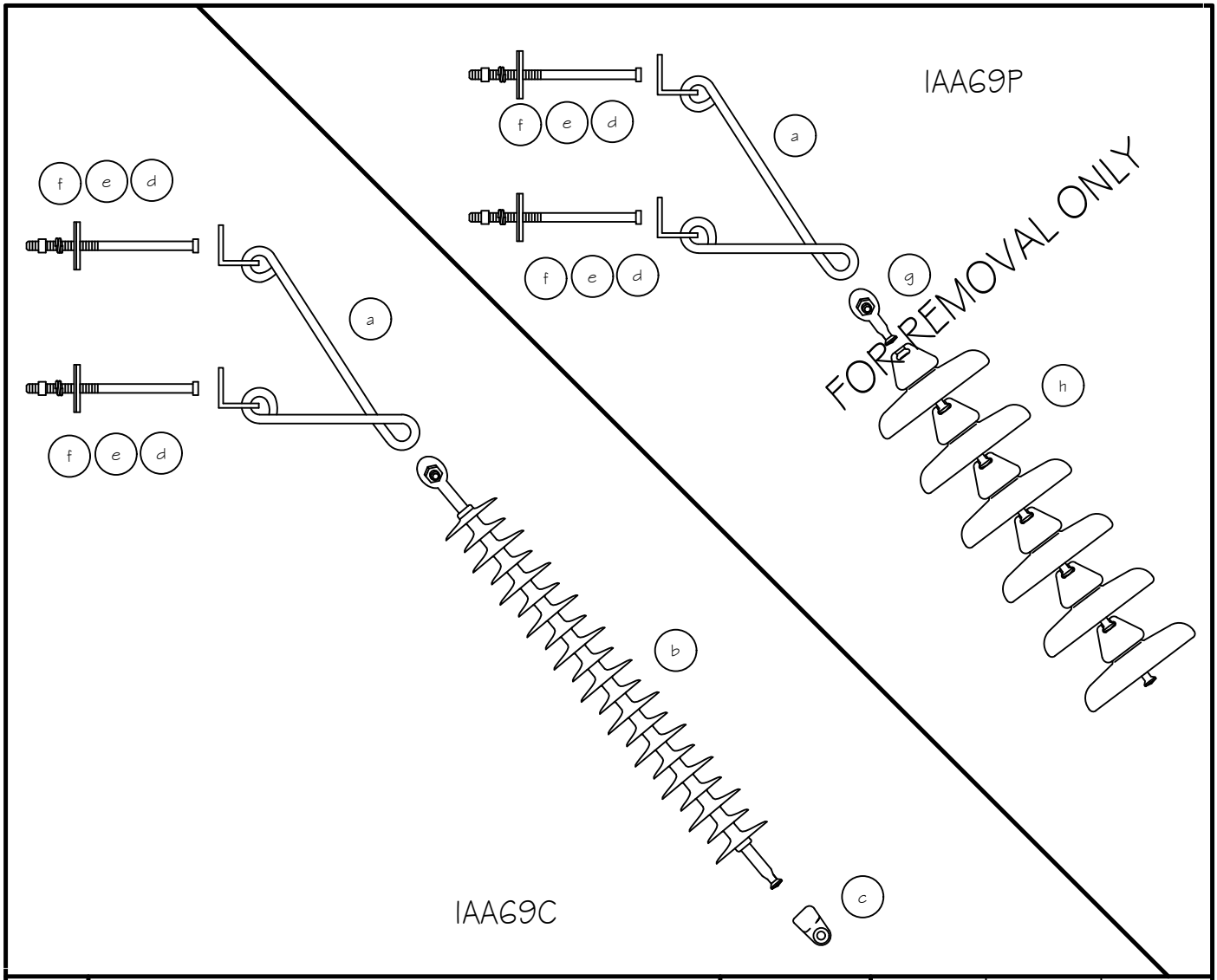
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GRDBAY36
GRDBAY66

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INSULATORS



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	1AA69C QUANTITY	1AA69P QUANTITY	QUANTITY
a	BRACKET, SWINGING ANGLE, 12" w/CLIPS	1-025-010	1	1	
b	INSULATOR, POLYMER SUSPENSION, 69/15 KV	1-160-027	1	-	
c	SOCKET EYE, ANSI 52-5, 30,000#	1-055-070	1	1	
d	BOLT, MACHINE, 3/4" x 14", w/NUT	1-325-215	2	2	
e	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	
f	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2	2	
g	Y-CLEVIS BALL, ANSI 52-5, 30,000#	1-055-060	-	1	
h	INSULATOR, 10" SUSPENSION, CLASS 52-3	1-160-030	-	6	

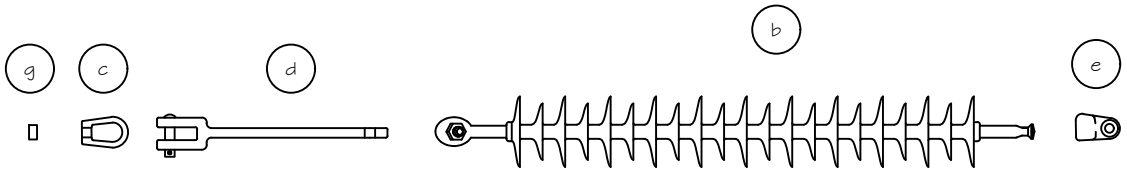
INSULATOR ANGLE ASSEMBLY 69 KV

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

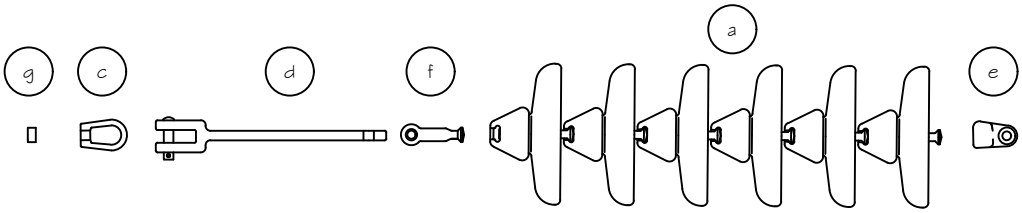
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 07, 2006

ASSEMBLY ID.

1AA69C
1AA69P



IDE69C



IDE69P

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDE69P QUANTITY	IDE69C QUANTITY	QUANTITY
a	INSULATOR, 10" SUSPENSION, CLASS 52-3	1-160-030	6	-	
b	INSULATOR, POLYMER, SUSPENSION, 69/115 KV	1-160-027	-	1	
c	EYENUT, 3/4"	1-325-530	1	1	
d	LINK, CLEVIS EYE EXTENSION, 3/4" x 12"	1-105-113	1	1	
e	SOCKET EYE, ANSI 52-5	1-055-075	1	1	
f	CLEVIS, BALL, ANSI 52-5	1-055-010	1	-	
g	NUT, SQUARE, 3/4"	1-325-540	1	1	

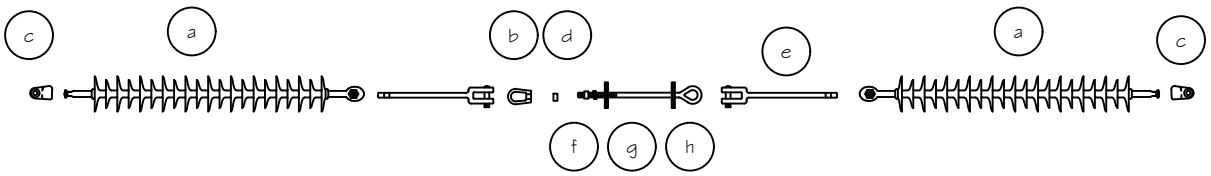
INSULATOR DEADEND 69KV

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

IDE69P
IDE69C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDDE69C		
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, POLYMER, SUSPENSION, 69/115 KV	1-160-027	2		
b	EYENUT, 3/4"	1-325-530	1		
c	SOCKET EYE, ANSI 52-5	1-055-075	2		
d	NUT, SQUARE, 3/4"	1-325-540	1		
e	LINK, CLEVIS EYE EXTENSION, 3/4" x 12"	1-105-113	2		
f	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-780	1		
g	WASHER, SQUARE/CURVED, 4"	1-325-734	2		
h	BOLT, SHOULDER EYE, 3/4" x 16"	1-325-310	1		

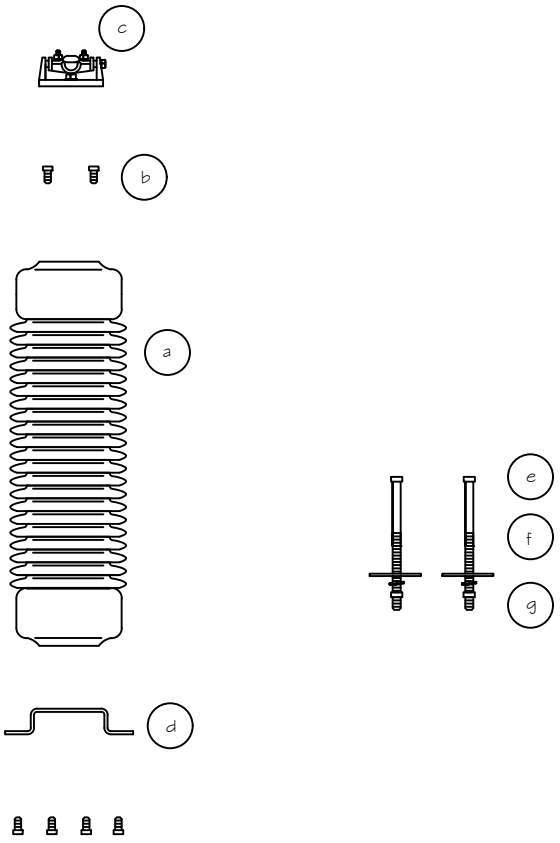
INSULATOR
DOUBLE DEADEND
69 KV COMPOSITE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

IDDE69C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDAP69P		
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, STATION POST, STD, 350 KV BIL	1-160-110	1		
b	BOLT, GALVANIZED 1/2" x 1" (13 THREAD)	1-325-262	6		
c	BRACKET, TRUNNION MOUNTING	1-025-315	1		
d	PLATE, DOUBLE ARMING, 30" x 10"	1-075-125	1		
e	BOLT, MACHINE, 5/8" x 10"	1-325-175	4		
f	WASHER, SQUARE, FLAT, 3"	1-325-765	4		
g	WASHER, SPRING LOCK, 5/8"	1-325-740	4		

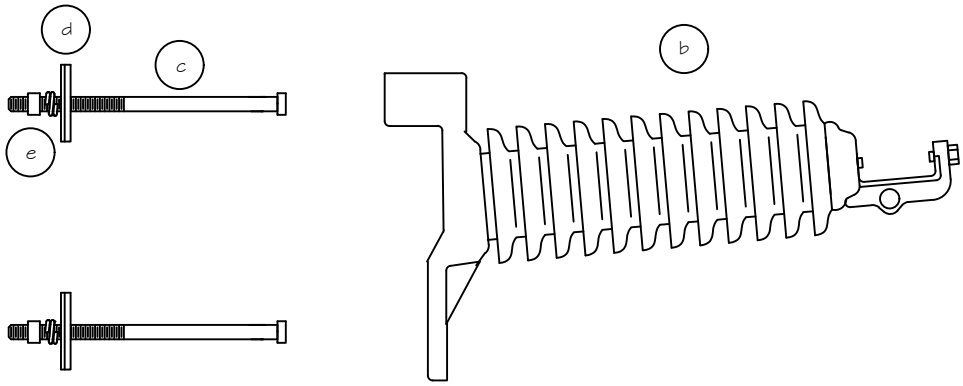
STATION POST INSULATOR w/ TRUNNION ADAPTER & DOUBLE ARMING PLATE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

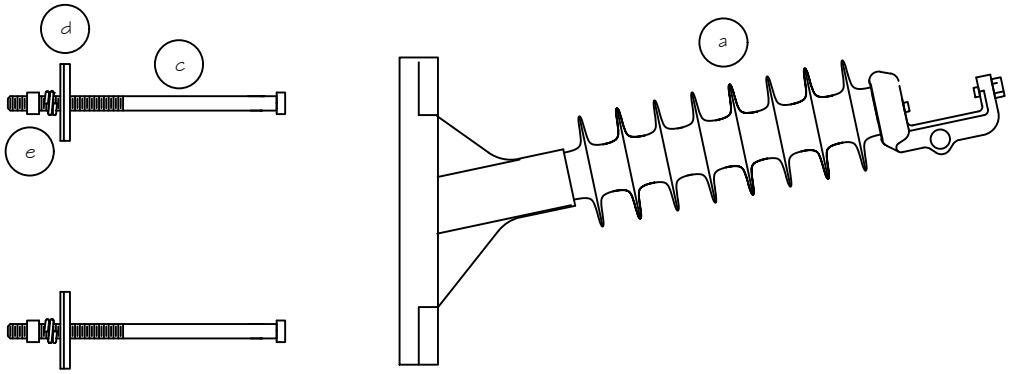
DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

IDAP69P



IHLP69P



IHLP69C

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IHLP69C QUANTITY	IHLP69P QUANTITY	QUANTITY
a	INSULATOR, 69 KV LINE POST, POLYMER	1-160-095	1	-	
b	INSULATOR, 69 KV LINE POST, PORCELAIN	1-160-090	-	1	
c	BOLT, MACHINE, 3/4" x 14", w NUT	1-325-215	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	

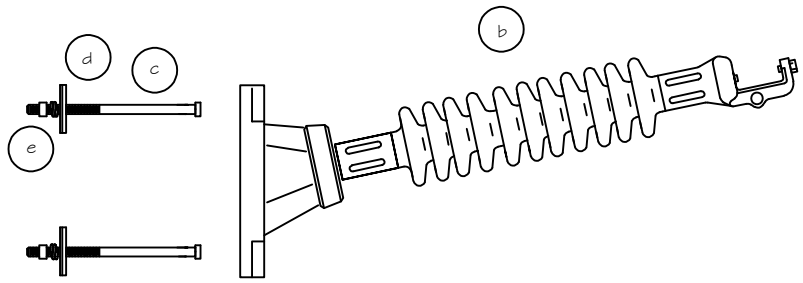
INSULATOR
HORIZONTAL LINE POST
69 KV

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

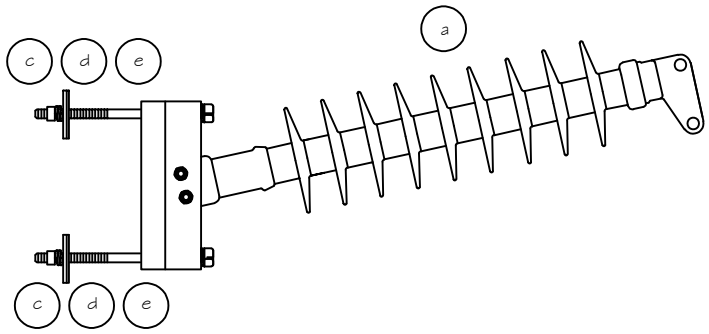
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

IHLP69C
IHLP69P



IHLP115T



IHLP115

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IHLP115 QUANTITY	IHLP115T QUANTITY	QUANTITY
a	INSULATOR, HORIZONTAL LINE POST, 115/69 KV	1-160-098	1	-	
b	INSULATOR, HORIZONTAL, CLAMP POST, 115/69 KV	1-160-097	-	1	
c	BOLT, MACHINE, 3/4" x 14", w/ NUT	1-325-215	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	
e	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2	2	

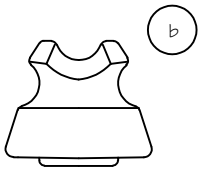
INSULATOR HORIZONTAL LINE POST 115 / 69 KV

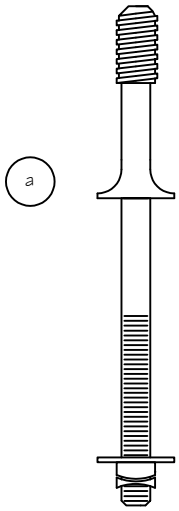
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

IHLP115
IHLP115T





-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IPIS75L QUANTITY	QUANTITY	QUANTITY
a	PIN, STEEL CROSSARM, 1" x 5", LONG SHANK	1-100-564	1		
b	INSULATOR, 7.5 KV	1-160-050	1		
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'		

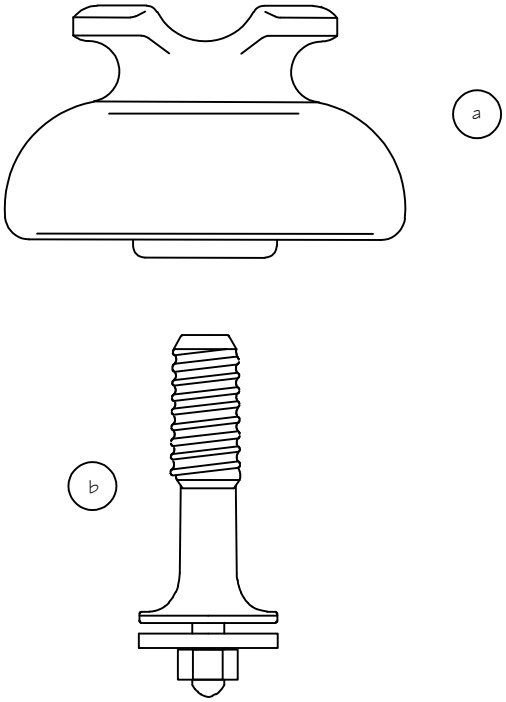
LONG SHANK PIN w/ 75 KV INSULATOR (FOR NEUTRAL ON STEEL ARM)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

IPIS75L



REMOVAL OR TRANSFER ONLY

-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

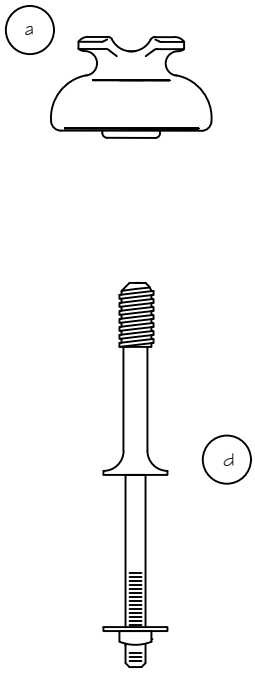
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IPIS75	IPIS15	IPIS25
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, PIN TYPE, ANSI 55-3, 7.5 KV	1-160-050	1	-	-
a	INSULATOR, PIN-TYPE, ANSI 55-4, 15 KV, 1" GROOVE	1-160-040	-	1	-
a	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	1-160-065	-	-	1
b	PIN, CROSSARM, 1-1/2" SHANK	1-100-550	1	1	1
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'	6'	6'

SHORT SHANK PIN
w/ 7.5, 15, or 25 KV INSULATOR

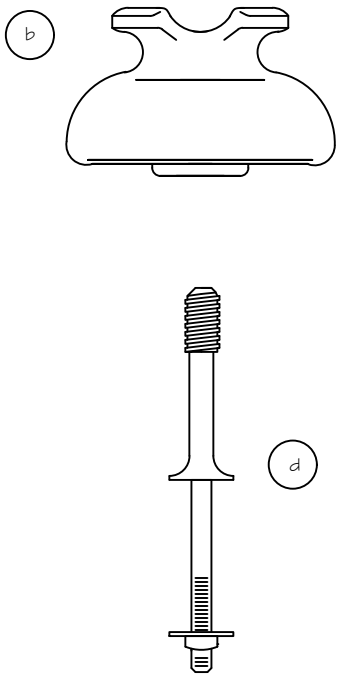
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 21, 2009

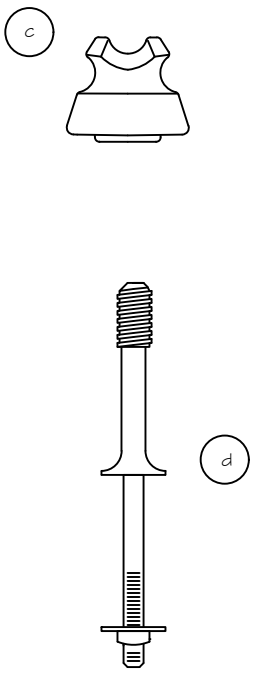
ASSEMBLY ID.
IPIS75
IPIS15
IPIS25



IPIA15



IPIA25



IPIA75

15 KV

25 KV

7.5 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IPIA15	IPIA25	IPIA75
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, PIN TYPE, ANSI 55-4, 15 KV, 1" GROOVE	1-160-040	1	-	-
b	INSULATOR, PIN TYPE, ANSI 55-6, 25 KV	1-160-065	-	1	-
c	INSULATOR, PIN TYPE, ANSI 55-3, 7.5 KV	1-160-050	-	-	1
d	PIN, CROSSARM, 1", LONG SHANK w/ NUT	1-100-562	1	1	1

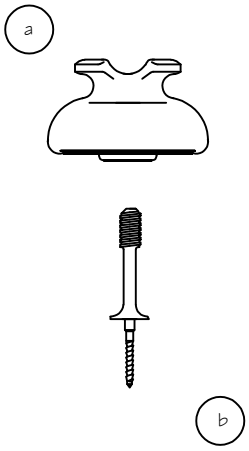
6" x 1" PINS w/ INSULATORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: SEPT 21, 2009

ASSEMBLY ID.

IPIA15
IPIA25
IPIA75



REMOVAL
OR TRANSFER ONLY

-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IPIP15	IPIP25	
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, PIN-TYPE, ANSI 55-4, 15 KV, 1" GROOVE	1-160-040	1	-	
a	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	1-160-065	-	1	
b	PIN, LEAD ADAPTER, 6" x 1"	1-100-567	1	1	
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'	6'	

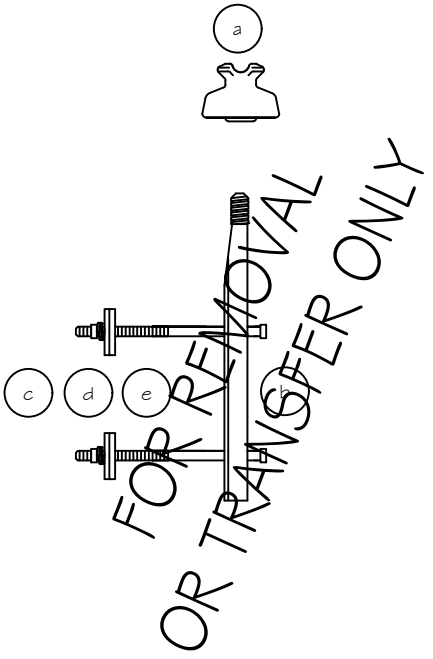
55-5 & 55-6 INSULATORS
w/ 6" x 1" LEAD PIN

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

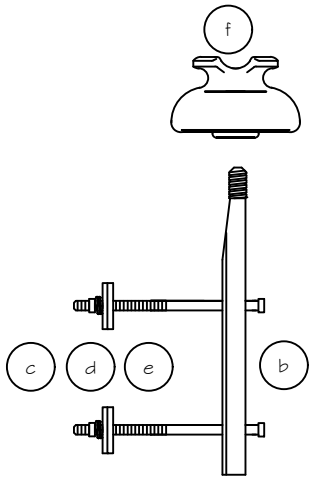
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 21, 2009

ASSEMBLY ID.

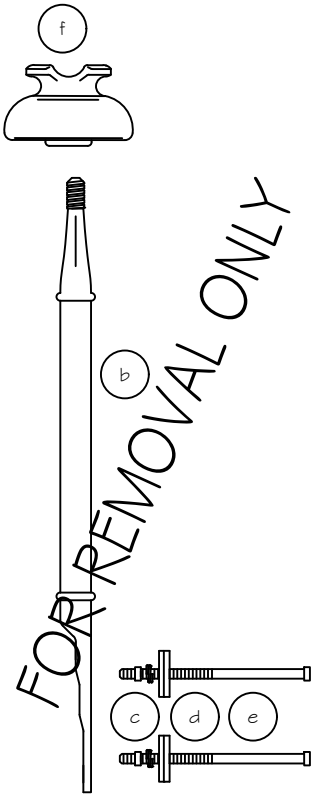
IPIP15
IPIP25



ISPTP15



ISPTP25



IXPTP25

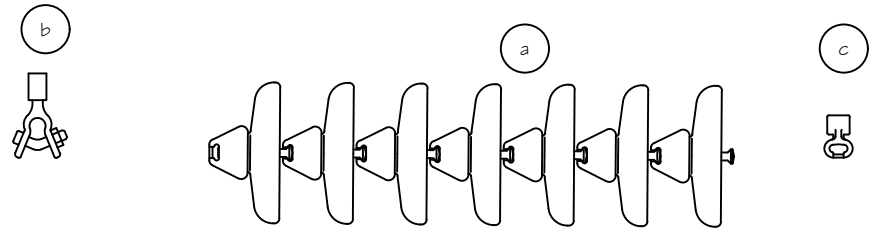
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ISPTP15 QUANTITY	ISPTP25 QUANTITY	IXPTP25 QUANTITY
a	INSULATOR, PIN-TYPE, ANSI 55-5, 25kv	1-160-065	1	-	-
b	PIN, POLE TOP, 20'	1-100-568	1	1	-
b	BRACKET, FIBERGLASS POLE TOP PIN, 40"	1-025-265	-	-	1
c	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2
e	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2	2	2
f	INSULATOR, PIN-TYPE, ANSI 55-6	1-160-065	-	1	1

SINGLE POLE TOP PIN w/ INSULATORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: OCT 20, 2009

ASSEMBLY ID.
ISPTP15
ISPTP25
IXPTP25



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ISS69P QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, 10" SUSPENSION, CLASS 52-3	1-160-030	7		
b	Y-CLEVIS EYE, 3/4", 30,000 LB.	1-055-080	1		
c	SOCKET EYE, ANSI 52-5, 30,000 LB.	1-055-070	1		

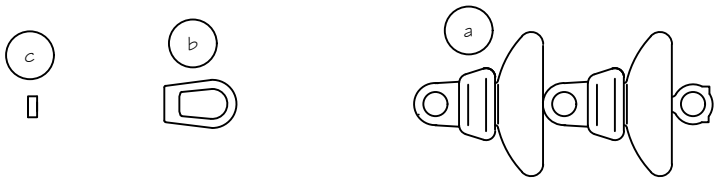
INSULATOR SUSPENSION STRING 69KV PORCELAIN

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

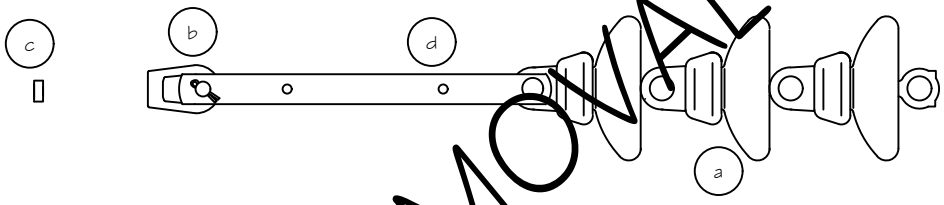
DRAWN BY: J. CHAMBERS	DATE: APRIL 1, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

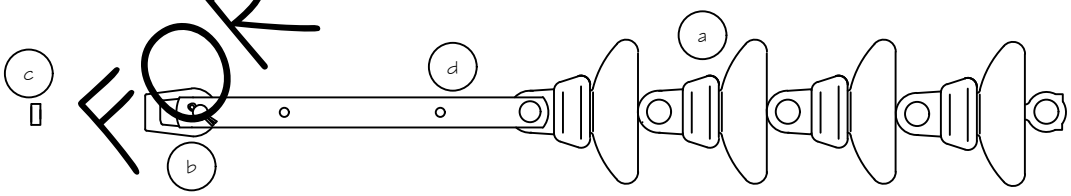
ISS69P



IDEP15



IDEP25



IDEP25M

FOR REMOVAL ONLY

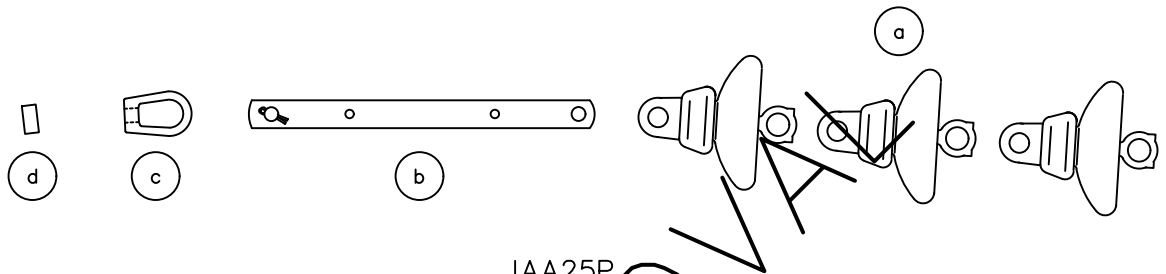
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDEP15	IDEP25	IDEP25M
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, 6" SUSPENSION, CLASS 52-1	1-160-020	2	3	4
b	EYENUT, 5/8"	1-325-525	1	1	1
c	NUT, SQUARE, 5/8"	1-325-535	1	1	1
d	LINK, EXTENSION, 14"	1-105-110	-	1	1

PORCELAIN PRIMARY DEADENDS

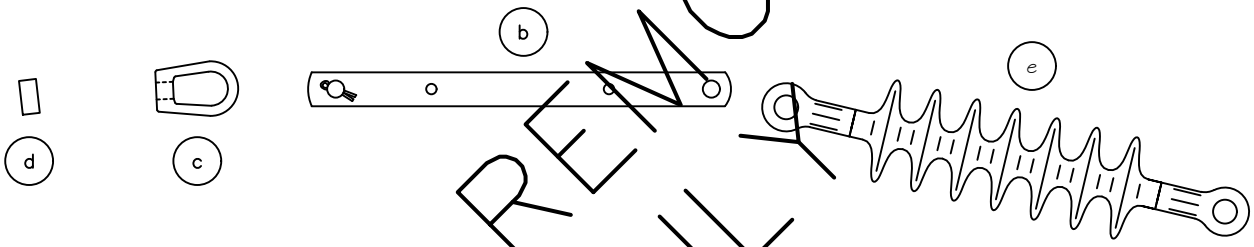
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

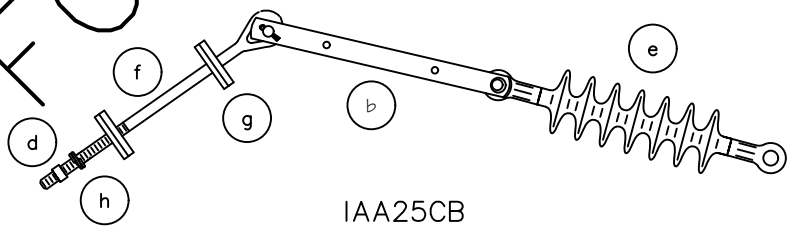
ASSEMBLY ID.
IDEP15
IDEP25
IDEP25M



IAA25P



IAA25C



IAA25CB

FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IAA25P QUANTITY	IAA25C QUANTITY	IAA25CB QUANTITY
a	INSULATOR, 6" SUSPENSION, CLASS 52–1	1–160–020	3	–	–
b	LINK, EXTENSION, 14"	1–105–110	1	1	1
c	EYENUT, 5/8"	1–325–525	1	1	–
d	NUT, SQUARE, 5/8"	1–325–535	1	1	1
e	INSULATOR, ONE PIECE, DEADEND, 25KV	1–160–025	–	1	1
f	BOLT, OVAL EYE, 5/8" X 14	1–325–085	–	–	1
g	WASHER, SQUARE/CURVED, 3"	1–325–760	–	–	1
h	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1–325–733	–	–	1

PWC Fayetteville's HOMETOWN UTILITY

PUBLIC WORKS COMMISSION FAYETTEVILLE, NC

RP3 Reliable Public Power Provider

DRAWN BY: D. KELTON	DATE: FEBRUARY 28, 2023
CHECKED BY: JEC	SCALE: NONE
APPROVED BY: JEC	REVISED: n/a

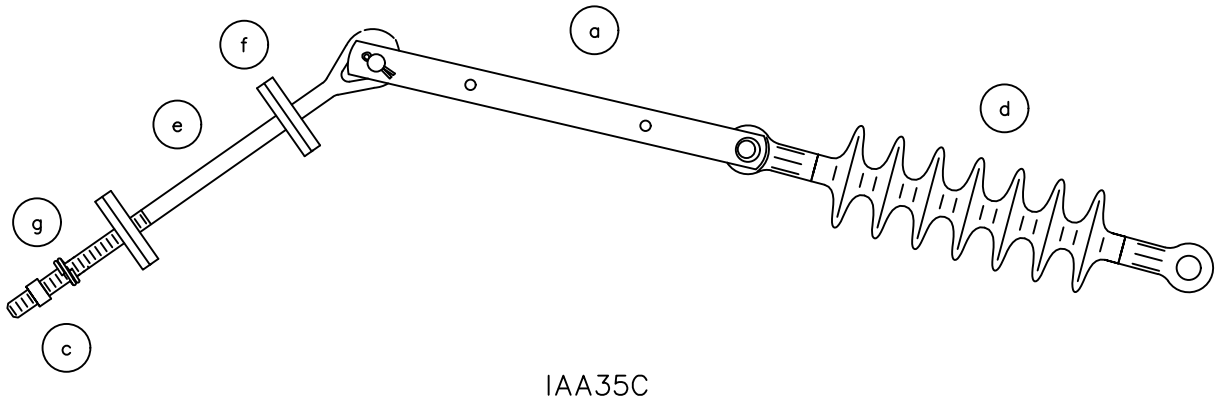
Electric Systems Engineering

INSULATOR, ANGLE ASSEMBLY 25 KV

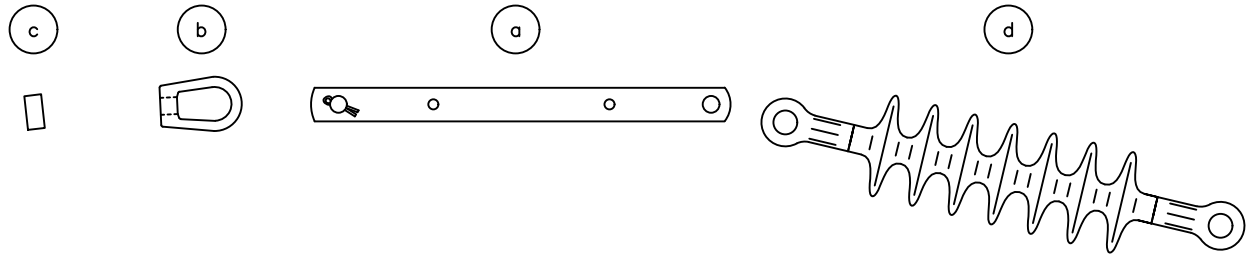
Compatible Unit ID.

IAA25P
IAA25C
IAA25CB

File Name: IAA25P



IAA35C



IAA35CB

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IAA35C QUANTITY	IAA35CB QUANTITY	QUANTITY
a	LINK, EXTENSION, 14"	1–105–110	1	1	
b	EYENUT, 5/8"	1–325–525	–	1	
c	NUT, SQUARE, 5/8"	1–325–535	1	1	
d	INSULATOR, ONE PIECE, DEADEND, 35KV	1–160–026	1	1	
e	BOLT, OVAL EYE, 5/8 x 14"	1–325–085	1	–	
f	WASHER, SQUARE/CURVED, 3"	1–325–760	2	–	
g	WASHER, DOUBLE COIL, SPRING LOCK, 5/8	1–325–733	1	–	

PWC Fayetteville's HOMETOWN UTILITY

PUBLIC WORKS COMMISSION FAYETTEVILLE, NC

RP3 Reliable Public Power Provider

DRAWN BY: D. KELTON	DATE: FEBRUARY 28, 2023
CHECKED BY: JEC	SCALE: NONE
APPROVED BY: JEC	REVISED: n/a

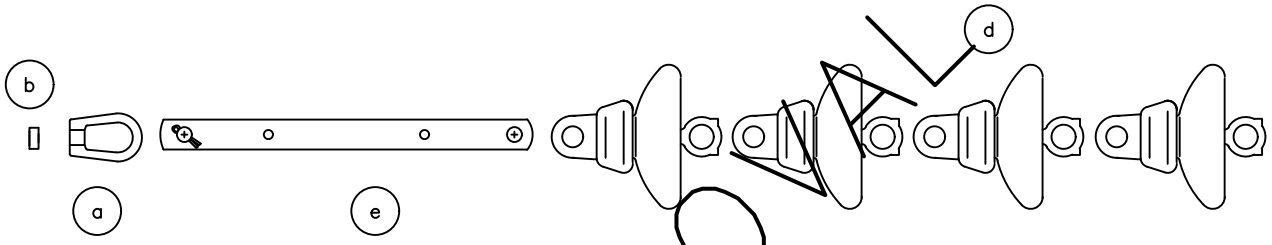
Electric Systems Engineering

INSULATOR, ANGLE ASSEMBLY 35 KV

Compatible Unit ID.

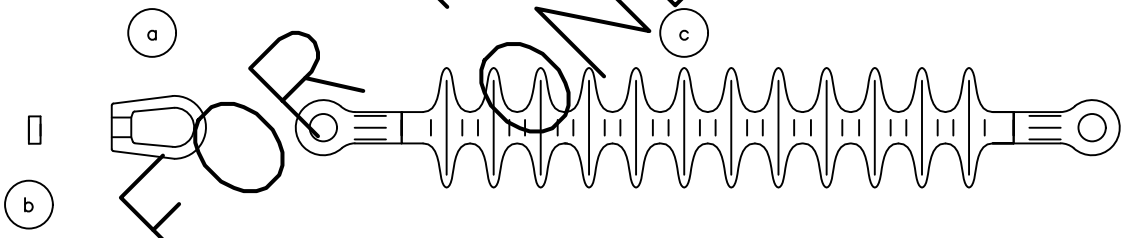
IAA35C
IAA35CB

File Name: IAA35C



IDE25XP

FOR REMOVAL ONLY



IDE25XC

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDE25XP QUANTITY	IDE25XC QUANTITY	QUANTITY
a	EYENUT, 5/8"	1–325–525	1	1	
b	NUT, SQUARE, 5/8"	1–325–535	1	1	
c	INSULATOR, 25 KV DEADEND, EXTENDED	1–160–026	–	1	
d	INSULATOR, 6" DISC, 7.5 KV	1–160–020	4	–	
e	LINK, EXTENSION, 14"	1–105–110	1	–	

PWC Fayetteville's HOMETOWN UTILITY

PUBLIC WORKS COMMISSION FAYETTEVILLE, NC

RP3 Reliable Public Power Provider

DRAWN BY: D. KELTON	DATE: FEBRUARY 28, 2023
CHECKED BY: JEC	SCALE: NONE
APPROVED BY: JEC	REVISED: n/a

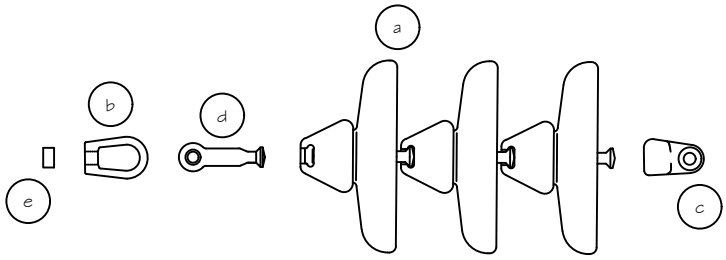
Electric Systems Engineering

INSULATOR DEADEND 25KV EXTENDED LENGTH PORCELAIN/COMPOSITE

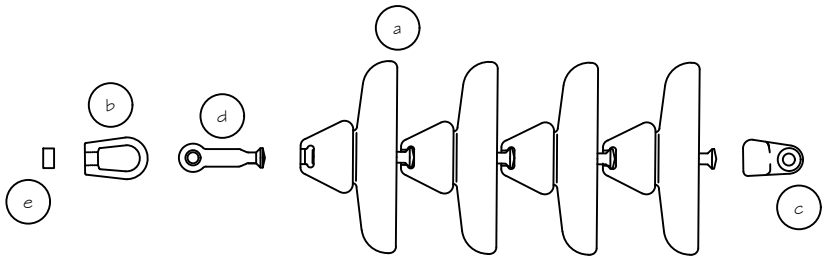
Compatible Unit ID.

IDE25XP
IDE25XC

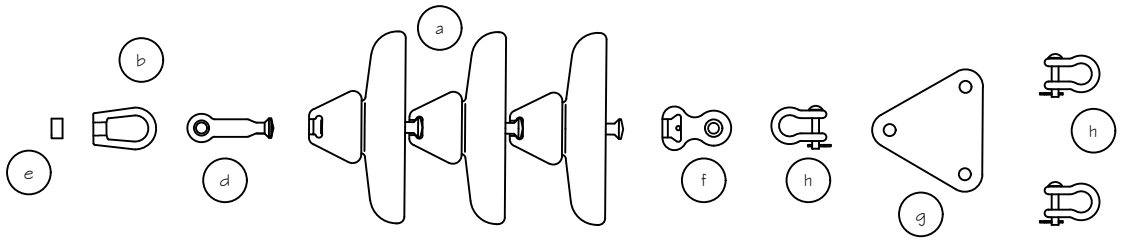
File Name: IDE25XP



IDE25H



IDE25HX



IDE25H2

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDE25H	IDE25HX	IDE25H2
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, 10" SUSPENSION, CLASS 52-3	1-160-030	3	4	3
b	EYENUT, 3/4"	1-325-530	1	1	1
c	SOCKET EYE, ANSI 52-5	1-055-075	1	1	-
d	CLEVIS, BALL, ANSI 52-5	1-055-010	1	1	1
e	NUT, SQUARE, 3/4"	1-325-540	1	1	1
f	SOCKET CLEVIS, 30,000#	1-055-030	-	-	1
g	PLATE, YOKE, 5"	1-210-085	-	-	1
h	SHACKLE, ANCHOR, 5/8"	1-010-840	-	-	1

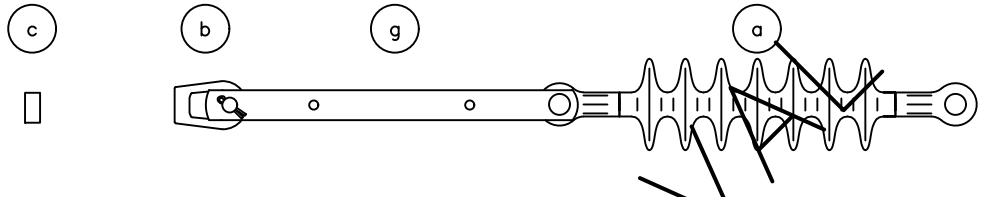
INSULATOR DEADEND
25 KV 10" DISK DEADEND
HEAVY-DUTY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

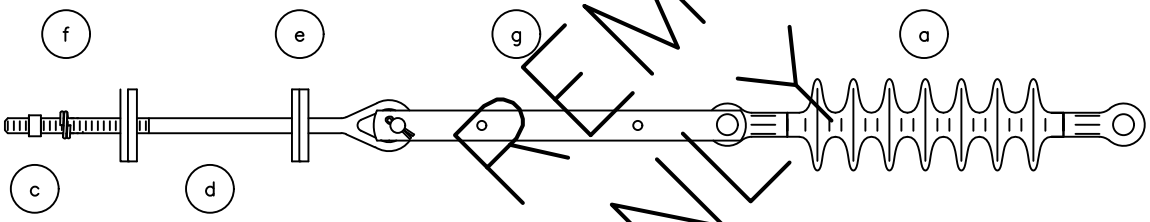
DRAWN BY: S. COLLINS	DATE: MARCH 27, 2002
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

ASSEMBLY ID.

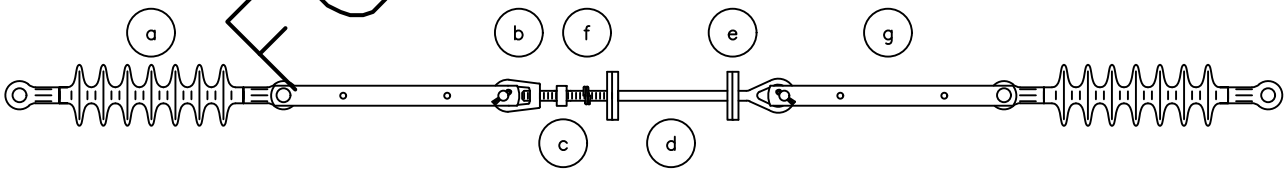
IDE25H
IDE25HX
IDE25H2



IDEC25



IDEC25B



IDDEC25

FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDEC25 QUANTITY	IDEC25B QUANTITY	IDDEC25 QUANTITY
a	INSULATOR, ONE–PIECE, DEADEND, 25 KV	1–160–025	1	1	2
b	EYENUT, 5/8"	1–325–525	1	–	1
c	NUT, SQUARE, 5/8"	1–325–535	1	1	1
d	BOLT, OVAL EYE, 5/8" X 14"	1–325–085	–	1	1
e	WASHER, SQUARE/CURVED, 3"	1–325–760	–	2	2
f	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1–325–733	–	1	1
g	LINK, EXTENSION, 14"	1–105–110	1	1	2

PWC Fayetteville's HOMETOWN UTILITY

PUBLIC WORKS COMMISSION FAYETTEVILLE, NC

RP3 Reliable Public Power Provider

DRAWN BY: D. KELTON	DATE: FEBRUARY 28, 2023
CHECKED BY: JEC	SCALE: NONE
APPROVED BY: JEC	REVISED: n/a

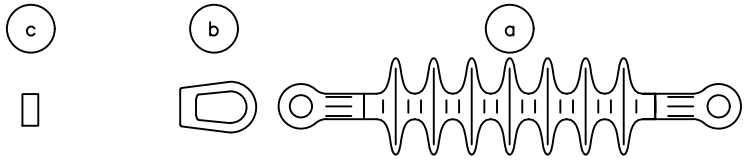
Electric Systems Engineering

INSULATOR DEADENDS 25 KV

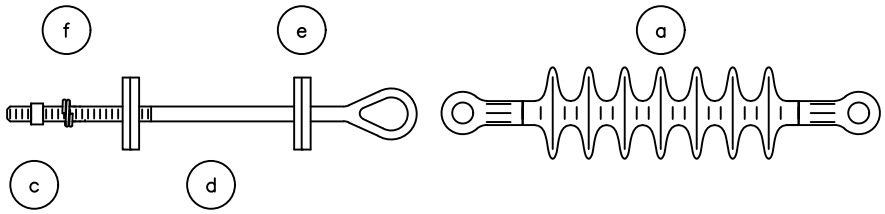
Compatible Unit ID.

IDEC25
IDEC25B
IDDEC25

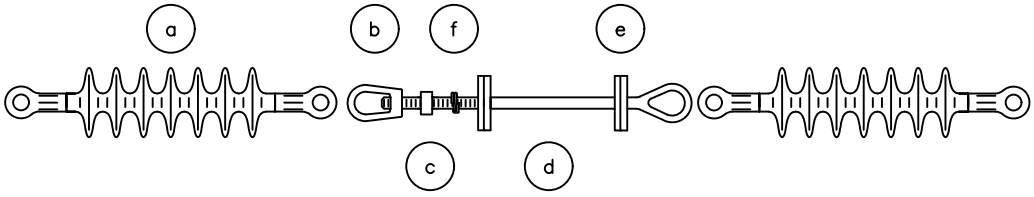
File Name: IDEC25



IDEC35



IDEC35B



IDDEC35

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDEC35 QUANTITY	IDEC35B QUANTITY	IDDEC35 QUANTITY
a	INSULATOR, ONE–PIECE, DEADEND, 35 KV	1–160–026	1	1	2
b	EYENUT, 5/8"	1–325–525	1	–	1
c	NUT, SQUARE, 5/8"	1–325–535	1	1	1
d	BOLT, OVAL EYE, 5/8" X 14"	1–325–085	–	1	1
e	WASHER, SQUARE/CURVED, 3"	1–325–760	–	2	2
f	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1–325–733	–	1	1

PWC Fayetteville's HOMETOWN UTILITY

PUBLIC WORKS COMMISSION FAYETTEVILLE, NC

RP3 Reliable Public Power Provider

DRAWN BY: D. KELTON	DATE: FEBRUARY 28, 2023
CHECKED BY: JEC	SCALE: NONE
APPROVED BY: JEC	REVISED: n/a

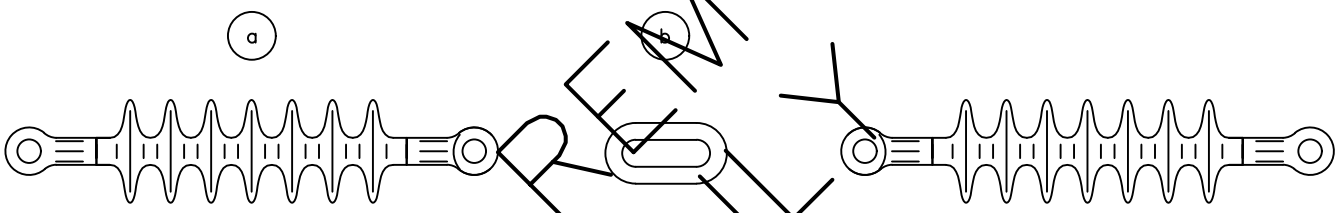
Electric Systems Engineering

INSULATOR DEADENDS 35 KV

Compatible Unit ID.

IDEC35
IDEC35B
IDDEC35

File Name: IDEC35



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDEIL25 QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, ONE–PIECE, DEADEND, 25 KV	1–160–025	2		
b	LINK, FORGED, CHAIN, 5/8"	1–160–127	1		

PUBLIC WORKS COMMISSION
FAYETTEVILLE, NC

Reliable Public Power Provider

DRAWN BY: D. KELTON	DATE: FEBRUARY 28, 2023
CHECKED BY: JEC	SCALE: NONE
APPROVED BY: JEC	REVISED: n/a

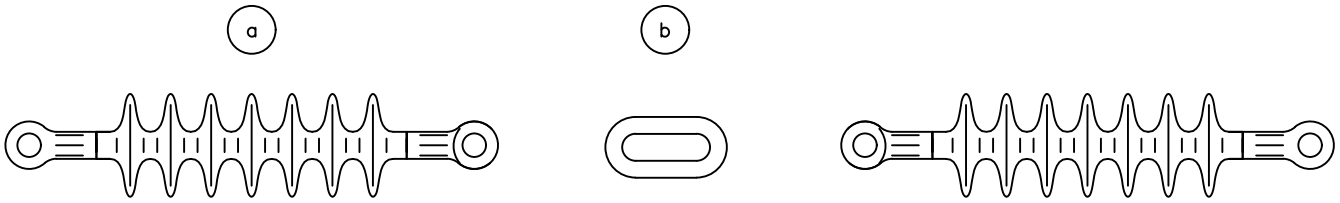
Electric Systems Engineering

INLINE DEADEND FOR DISTRIBUTION PRIMARY

Compatible Unit ID.

IDEIL25

File Name: IDEIL25



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDEIL35 QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, ONE–PIECE, DEADEND, 35 KV	1–160–026	2		
b	LINK, FORGED, CHAIN, 5/8"	1–160–127	1		

PWC Fayetteville's HOMETOWN UTILITY

PUBLIC WORKS COMMISSION FAYETTEVILLE, NC

RP3 Reliable Public Power Provider

DRAWN BY: D. KELTON	DATE: FEBRUARY 28, 2023
CHECKED BY: JEC	SCALE: NONE
APPROVED BY: JEC	REVISED: n/a

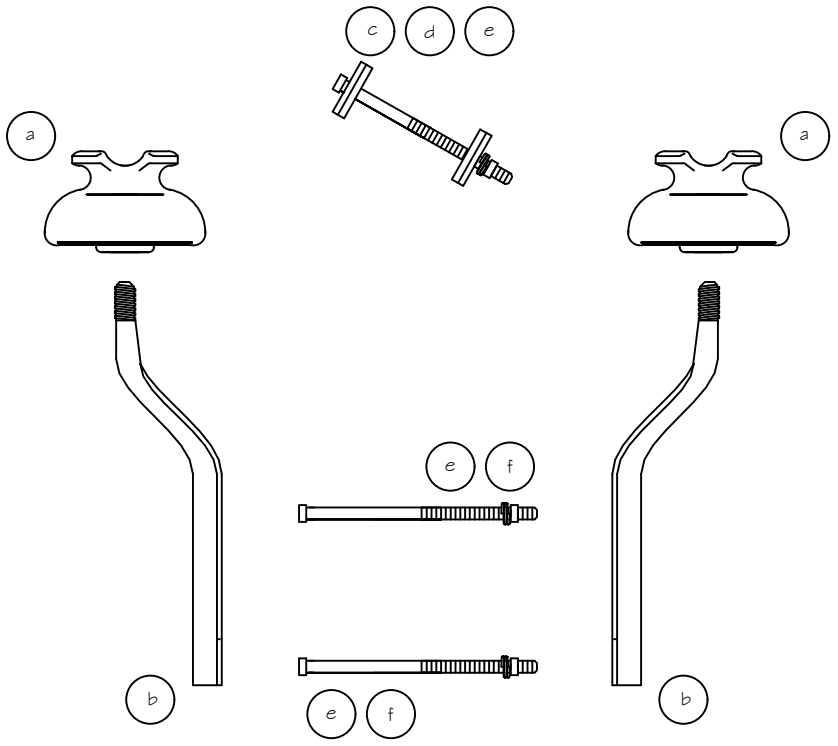
Electric Systems Engineering

INLINE DEADEND FOR DISTRIBUTION PRIMARY

Compatible Unit ID.

IDEIL35

File Name: IDEIL35



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDPTP25 QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, PIN-TYPE, ANSI 55-6	1-160-065	2		
b	PIN, OFFSET POLE TOP, 21" x 1"	1-100-572	2		
c	BOLT, MACHINE, 5/8" x 10", w/ NUT	1-325-175	1		
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2		
e	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	3		
f	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2		
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	8'		

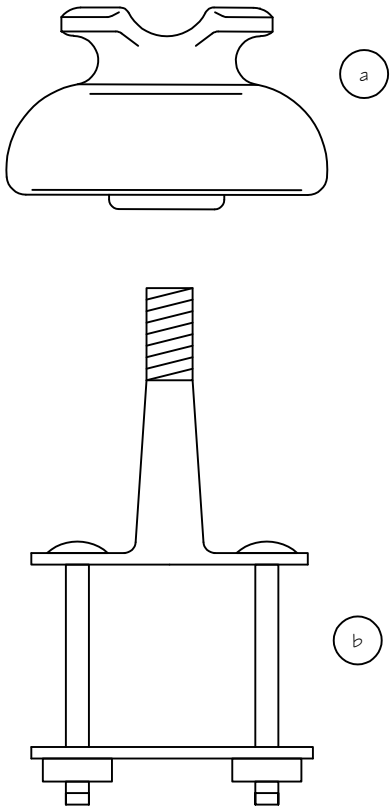
DOUBLE POLE TOP PIN & INSULATOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

IDPTP25



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IWBC25 QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, PIN-TYPE, ANSI 55-6	1-160-065	1		
b	PIN, CROSSARM SADDLE, 1" x 6"	1-100-547	1		
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'		

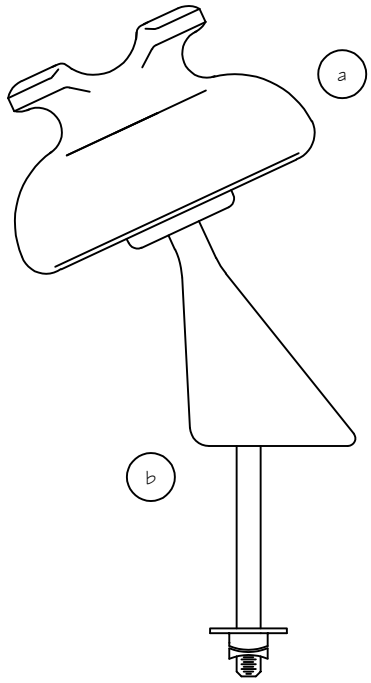
6" x 1" SADDLE PIN w/ 55-6 INSULATOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

IWBC25



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IPAA25		
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, PIN TYPE, ANSI 55-6	1-160-065	1		
b	PIN, CROSSARM 8" x 1", ANGLE	1-100-542	1		
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'		

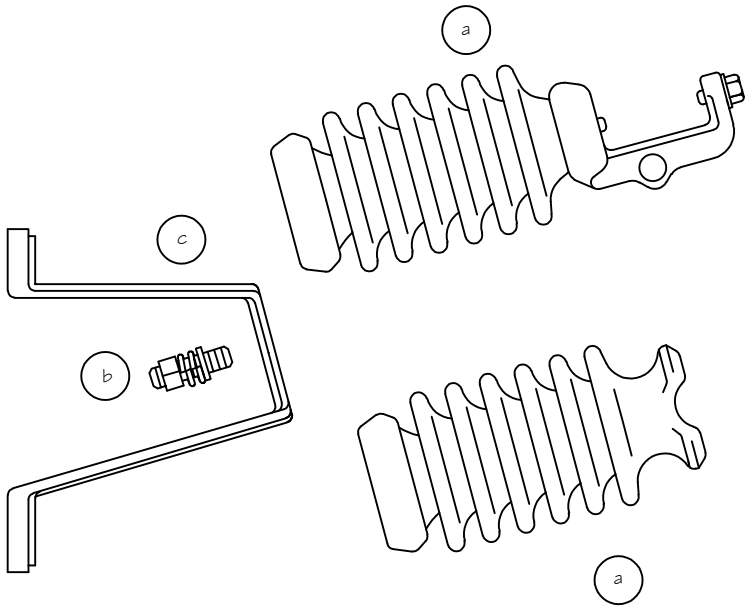
8" ANGLE PIN w/ 55-6 INSULATOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

IPAA25



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	10BCT25B	10BLP25B	
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, HORIZ., CLAMP POST, 35 KV	1-160-075	1	-	
a	INSULATOR, LINE POST, TIE TOP, 35 KV	1-160-073	-	1	
b	STUD, INSULATOR, SHORT	1-100-537	1	1	
c	BRACKET, INSULATOR OFFSET, 9"	1-025-226	1	1	
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	-	6'	

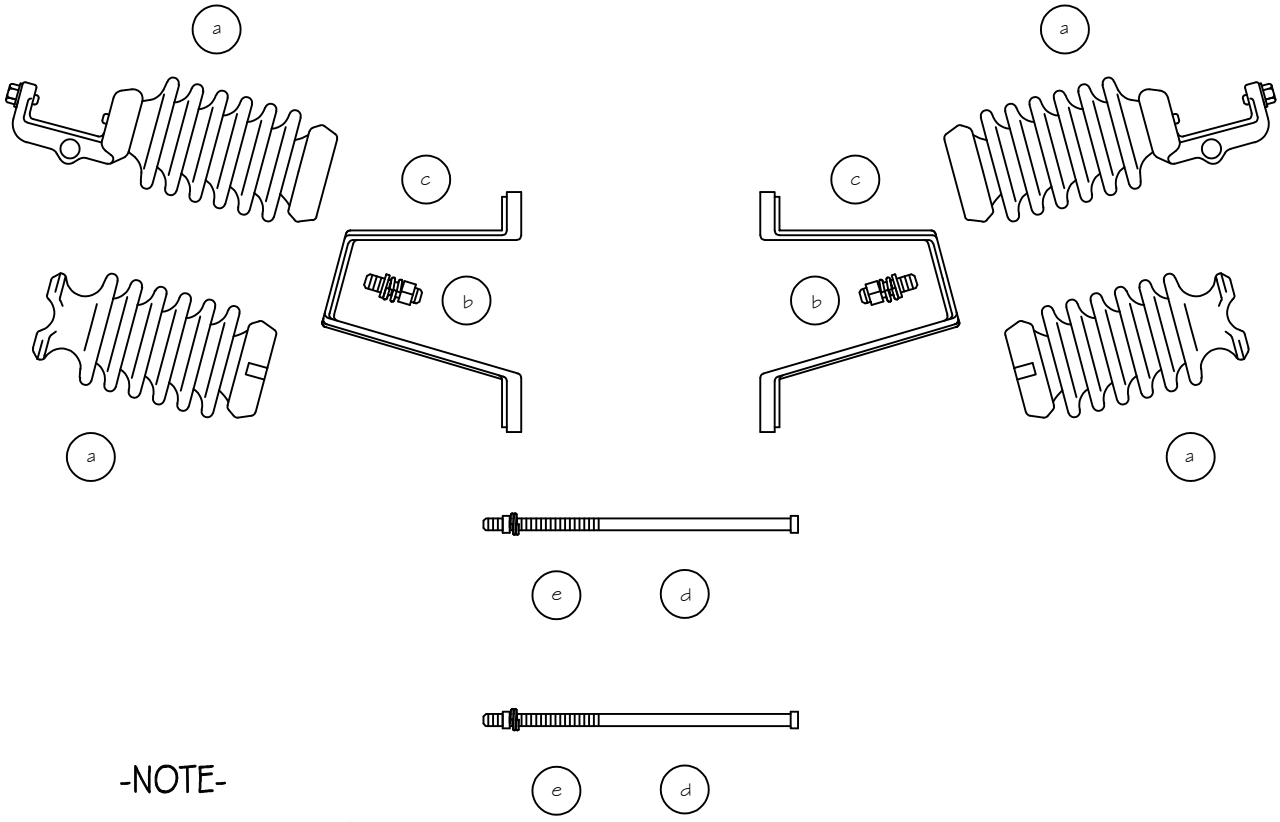
INSULATOR CLAMP TOP or LINE POST w/ OFFSET BRACKET (WITHOUT MOUNTING BOLTS)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

10BCT25B
10BLP25B



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	1OBCT25A	1OBLP25A	
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, HORIZ., CLAMP POST 35 KV	1-160-075	2	-	
a	INSULATOR, LINE POST, TIE-TOP, 35 KV	1-160-073	-	2	
b	STUD, INSULATOR, SHORT	1-100-537	2	2	
c	BRACKET, INSULATOR OFFSET, 9"	1-025-226	2	2	
d	BOLT, MACHINE, 5/8" x 16", w/ NUT	1-325-190	2	2	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	-	6'	

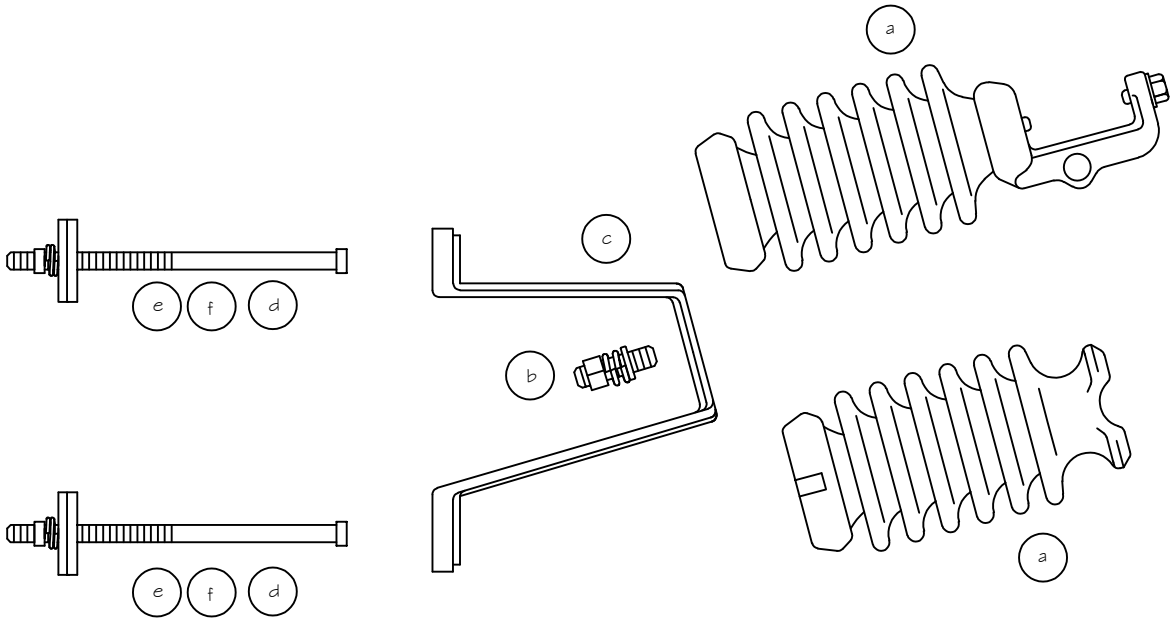
INSULATORS CLAMP TOP or LINE POST w/ DOUBLE OFFEST BRACKETS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

1OBCT25A
1OBLP25A



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	1OBCT25 QUANTITY	1OBLP25 QUANTITY	QUANTITY
a	INSULATOR, HORIZ., CLAMP POST, 35 KV	1-160-075	1	-	
a	INSULATOR, LINE POST, TIE-TOP, 35 KV	1-160-073	-	1	
b	STUD, INSULATOR, SHORT	1-100-537	1	1	
c	BRACKET, INSULATOR OFFSET, 9"	1-025-226	1	1	
d	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
f	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	-	6'	

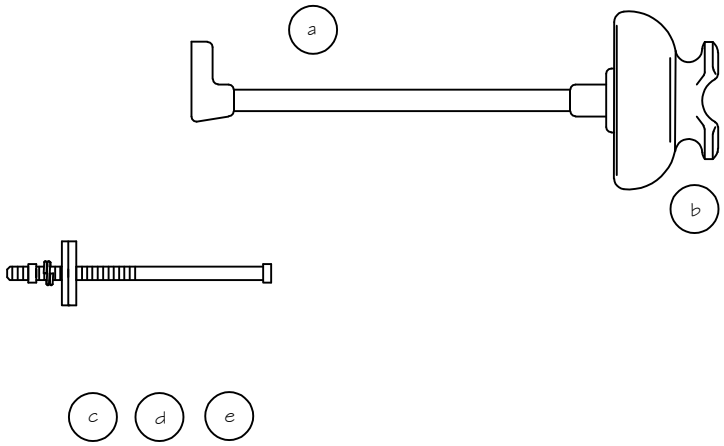
INSULATOR CLAMP TOP or LINE POST w/ OFFSET BRACKET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

1OBCT25
1OBLP25



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	INSDLB25 QUANTITY	QUANTITY	QUANTITY
a	BRACKET, PRIMARY DOWNLEAD, 20"	1-025-235	1		
b	INSULATOR, PIN TYPE, ANSI 55-6	1-160-065	1		
c	BOLT, MACHINE, 5/8" x 12" w/ NUT	1-325-180	1		
d	WASHER, SQUARE, CURVED, 3"	1-325-760	1		
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1		
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'		

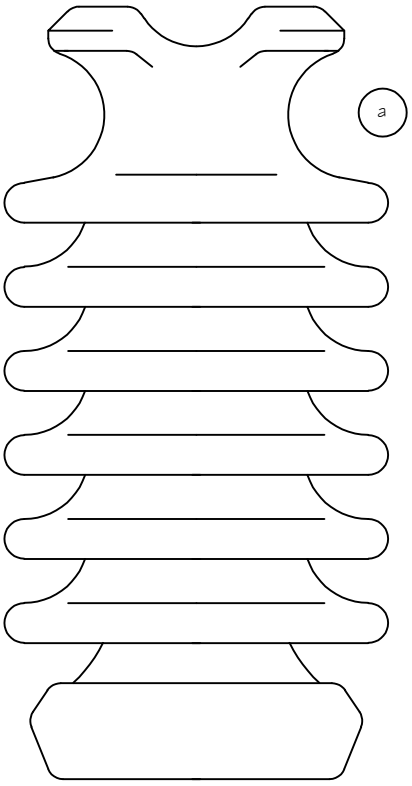
DOWNLEAD BRACKET w/ 55-6 INSULATOR

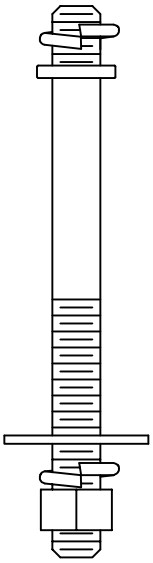
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

INSDLB25







b

b

-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IPIA35 QUANTITY	IPIS35 QUANTITY	QUANTITY
a	INSULATOR, LINE POST, TIE-TOP, 35 KV	1-160-073	1	1	
b	STUD, INSULATOR, LONG	1-100-538	1	-	
b	STUD, INSULATOR, SHORT	1-100-537	-	1	
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'	6'	

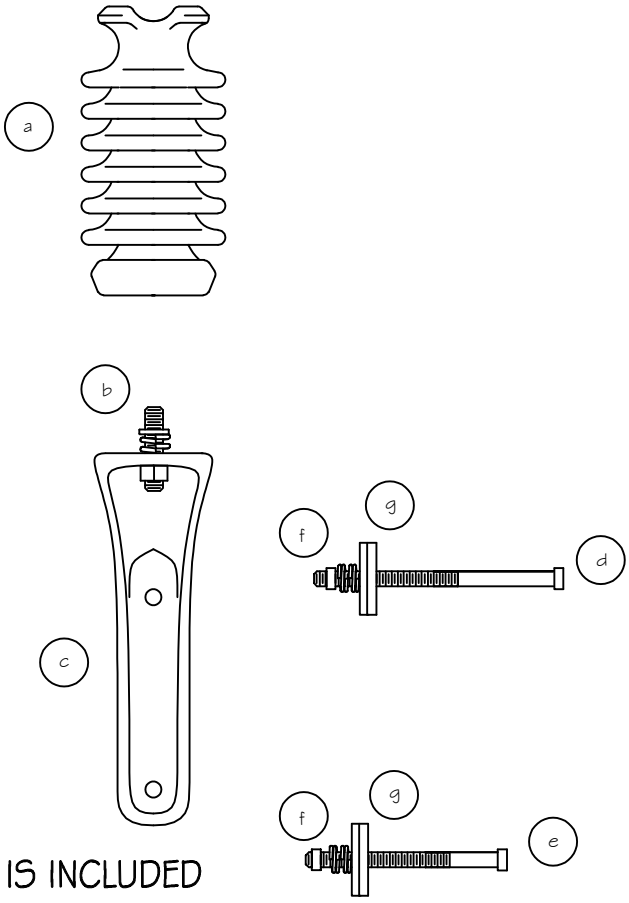
LINE POST INSULATOR w/ STUD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

IPIA35
IPIS35



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IPTP35 QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, LINE POST, TIE TOP, 35 KV	1-160-073	1		
b	STUD, INSULATOR, SHORT	1-100-537	1		
c	BRACKET, POLE TOP INSULATOR	1-025-320	1		
d	BOLT, MACHINE, 5/8" x 10", w/ NUT	1-325-175	1		
e	BOLT, MACHINE, 5/8" x 8", w/ NUT	1-325-170	1		
f	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	4		
g	WASHER, SQUARE, CURVED, 3"	1-325-760	2		
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'		

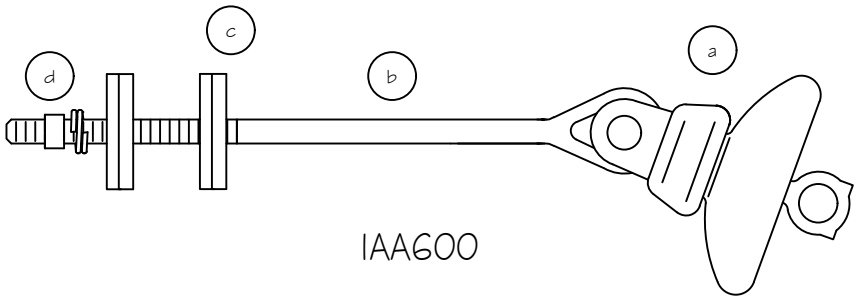
LINE POST INSULATOR w/ POLE TOP BRACKET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

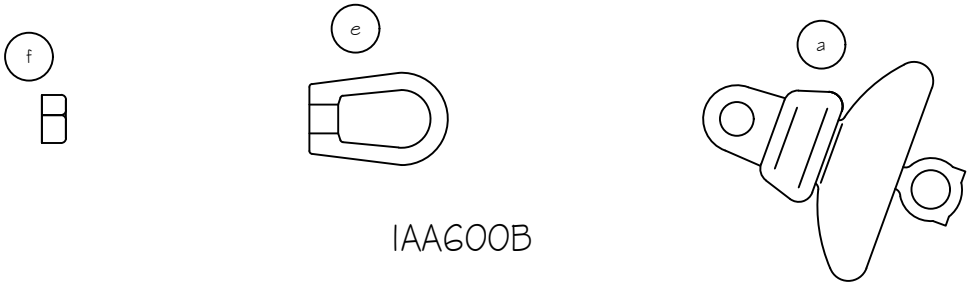
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

IPTP35



1AA600



1AA600B

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	1AA600	1AA600B	
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, 6" SUSPENSION, CLASS 52-1	1-160-020	1	1	
b	BOLT, OVAL, EYE, 5/8" x 12"	1-325-080	1	-	
c	WASHER, SQUARE CURVED, 3"	1-325-760	2	-	
d	WASHER, DOUBLE COIL, SPLIT RING, 5/8"	1-325-733	1	-	
e	EYENUT, 5/8"	1-325-525	-	1	
f	NUT, SQUARE, 5/8"	1-325-535	-	1	

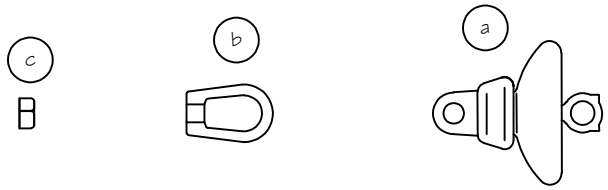
SECONDARY ANGLE ASSEMBLY WITH EYEBOLT OR EYENUT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

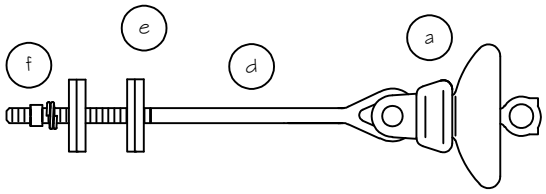
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

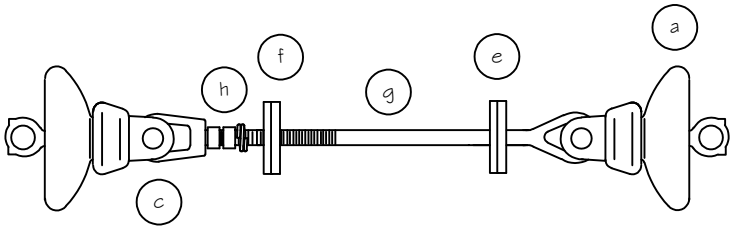
1AA600
1AA600B



IDE600



IDE600B



IDDE600

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IDE600 QUANTITY	IDE600B QUANTITY	IDDE600 QUANTITY
a	INSULATOR, 6" SUSPENSION, CLASS 52-1	1-160-020	1	1	2
b	EYENUT, 5/8"	1-325-525	1	-	-
c	NUT, SQUARE, 5/8"	1-325-535	1	-	2
d	BOLT, OVAL, EYE, 5/8" x 12"	1-325-080	-	1	-
e	WASHER, SQUARE CURVED, 3"	1-325-760	-	2	2
f	WASHER, DOUBLE COIL, SPLIT RING, 5/8"	1-325-733	-	1	1
g	BOLT, OVAL EYE, 5/8" X 14"	1-325-085	-	-	1
h	NUT, EYE, GALV, 5/8"	1-325-530	-	-	1

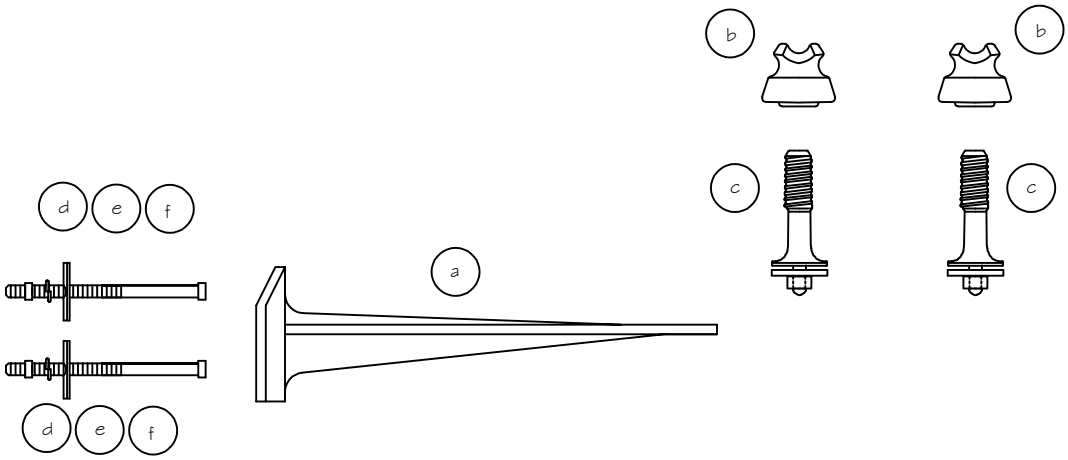
SECONDARY/NEUTRAL DEADENDS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 06, 2006

ASSEMBLY ID.

IDE600
IDE600B
IDDE600



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	INOFF18 QUANTITY	QUANTITY	QUANTITY
a	BRACKET, MALLEABLE IRON FORGED	1-025-160	1		
b	INSULATOR, 7.5 KV	1-160-050	2		
c	PIN, CROSSARM, 1-1/2" SHANK	1-100-550	2		
d	BOLT, MACHINE, 5/8" x 10" w/ NUT	1-325-175	2		
e	WASHER, SQUARE, CURVED, 3"	1-325-760	2		
f	WASHER, LOCK, 5/8"	1-325-740	2		
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	8'		

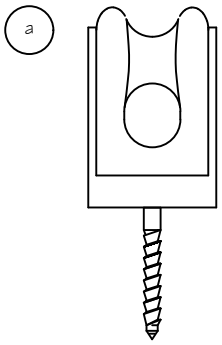
18" NEUTRAL OFFSET BRACKET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

INOFF18



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IRW600 QUANTITY	QUANTITY	QUANTITY
a	WIREHOLDER, PORCELAIN, REINFORCED	1-025-055	1		

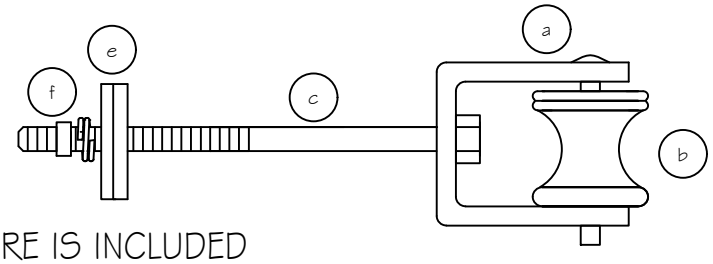
INSULATOR
REINFORCED WIREHOLDER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

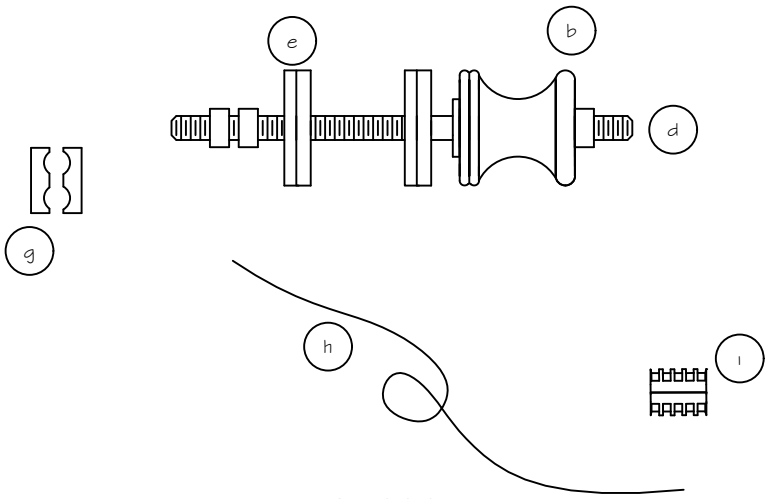
IRW600



-NOTE-

CONDUCTOR TIE WIRE IS INCLUDED WITHIN THIS COMPATIBLE UNIT (NOT SHOWN)

ISC600



ISB600

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ISC600	ISB600	
			QUANTITY	QUANTITY	QUANTITY
a	CLEVIS, INSULATED SECONDARY, DEADEND	1-230-010	1	1	
b	INSULATOR, SPOOL, 53-2	1-160-130	1	-	
c	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	1	-	
d	BOLT, UPSET SPOOL, 5/8" x 12"	1-325-410	-	1	
e	WASHER, SQUARE, CURVED, 3"	1-325-760	1	2	
f	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	1	-	
g	CLAMP, GROUNDING, 5/8"	1-050-074	-	1	
h	CONDUCTOR, #4 CU., SOFT, BARE	1-065-040	-	2"	
i	CONNECTOR, PRL., GRVE., COMP., #4 - #4 CU.	1-075-313	-	1	
	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'	-	

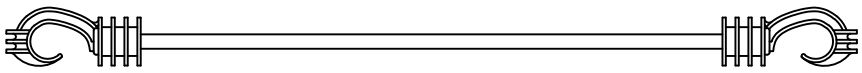
SECONDARY / NEUTRAL INSULATORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	REVISED: SEPT 14, 2007

ASSEMBLY ID.

ISC600
ISB600



a



b

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ISPACER QUANTITY	QUANTITY	QUANTITY
a	SPACER, MIDSPAN, 25KV, 477SAC	1-035-885	1		
b	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	2'		

INSULATED MID-SPAN SPACER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

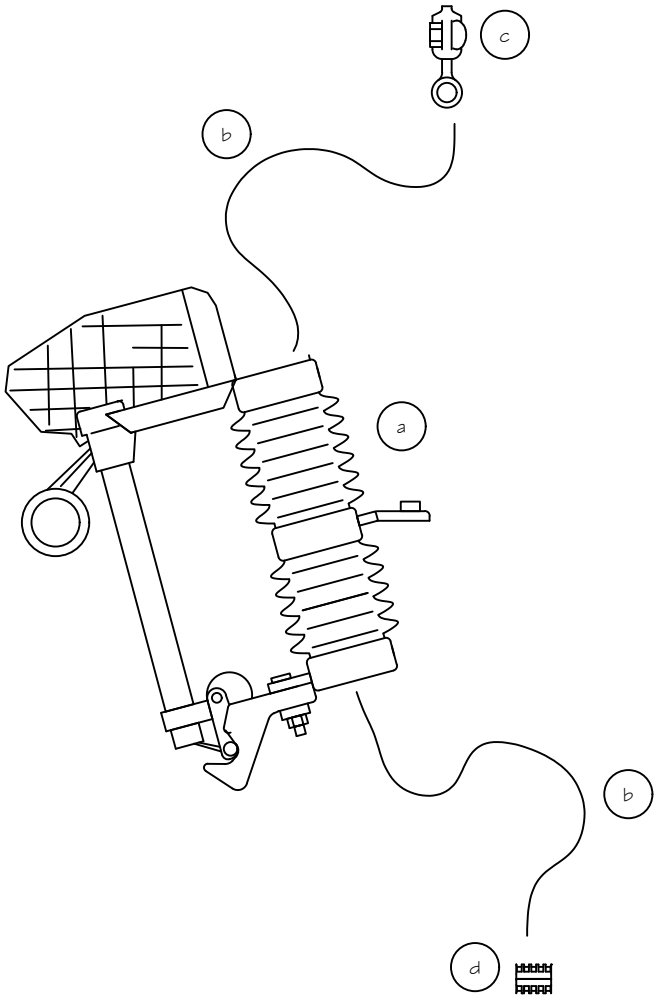
DRAWN BY: S. COLLINS	DATE: JUNE 4, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ISPACER

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SWITCHES



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW1COLB	SW2COLB	
			QUANTITY	QUANTITY	QUANTITY
a	SWITCH, FUSED CIRCUIT, 100 AMP, LOADBREAK, 25KV	1-280-260	1	-	
a	SWITCH, FUSED CUTOUT, 200 AMP, LOADBREAK, 25KV	1-280-270	-	1	
b	CONDUCTOR, #4 BARE COPPER (Note: Item is not part of material issued)	1-065-040	8'	8'	
c	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1	1	
d	CONNECTOR, PRL. GRVE., #4/7	1-075-250	1	1	

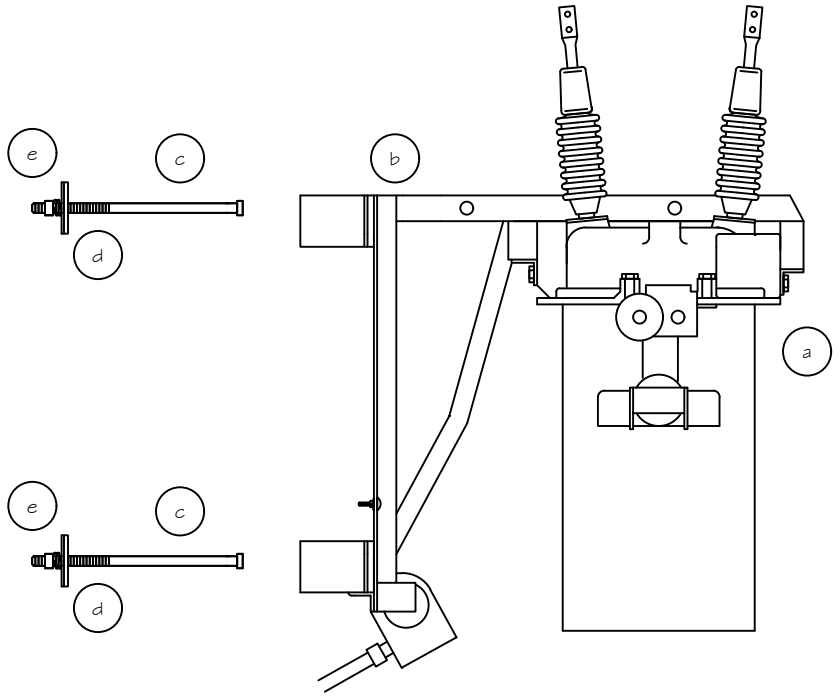
SWITCH 100/200 AMP CUTOUT LOAD BREAK

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 21, 2013

ASSEMBLY ID.

SW1COLB
SW2COLB



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWVCR3E		
			QUANTITY	QUANTITY	QUANTITY
a	RECLOSER, 560A 25KV 3-PHASE ELECTRONIC	1-280-450	1		
b	BRACKET, 3-PHASE ELECTRONIC RECLOSER	1-280-455	1		
c	BOLT, MACHINE, 3/4" x 16", w/NUT	1-325-220	2		
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2		
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2		

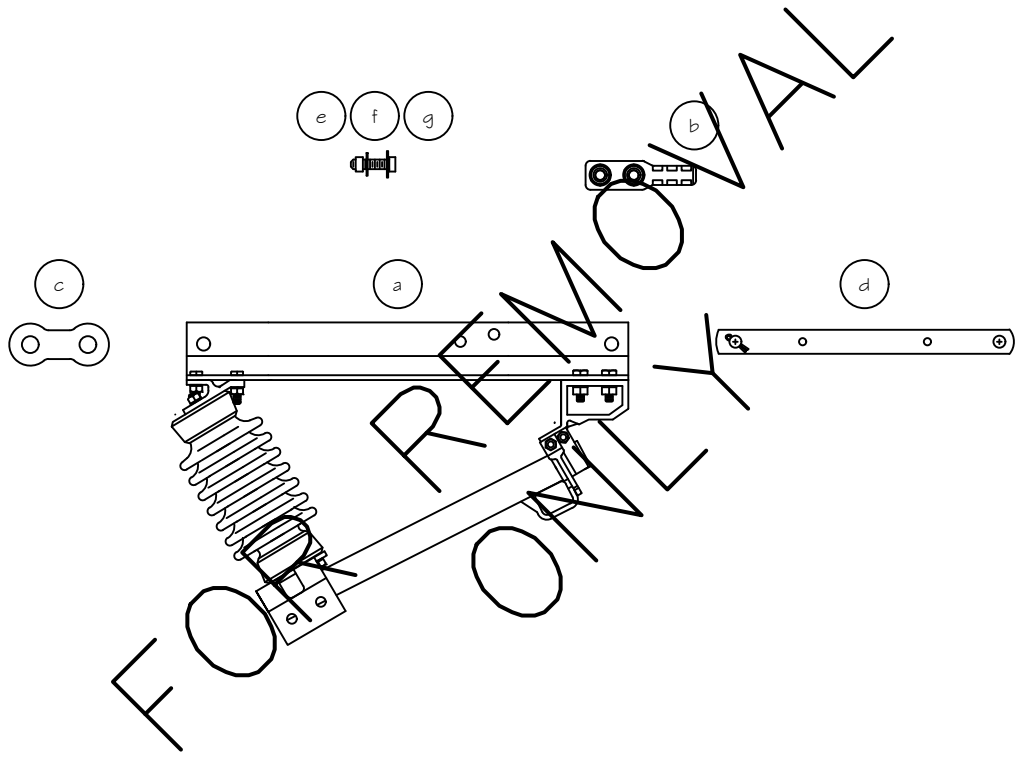
560A, 25KV 3-PHASE ELECTRONIC RECLOSER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SWVCR3E



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW6DED3 QUANTITY	SW6DED4 QUANTITY	QUANTITY
a	SWITCH, DEADEND TAP DISC., 600A 150KV	1-280-232	1	1	
b	SPADE, 350 MCM, 2-HOLE, TERMINAL	1-075-190	1	-	
b	SPADE, 500 MCM, CAST AL, 2-HOLE OFFSET, TERM.	1-075-220	-	1	
c	CLEVIS CLEVIS, 5/8", 25,000#	1-105-115	1	1	
d	LINK, EXTENSION, 14"	1-105-110	1	1	
e	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	
g	WASHER, FLAT, STAINLESS, 1/2"	1-325-703	2	2	

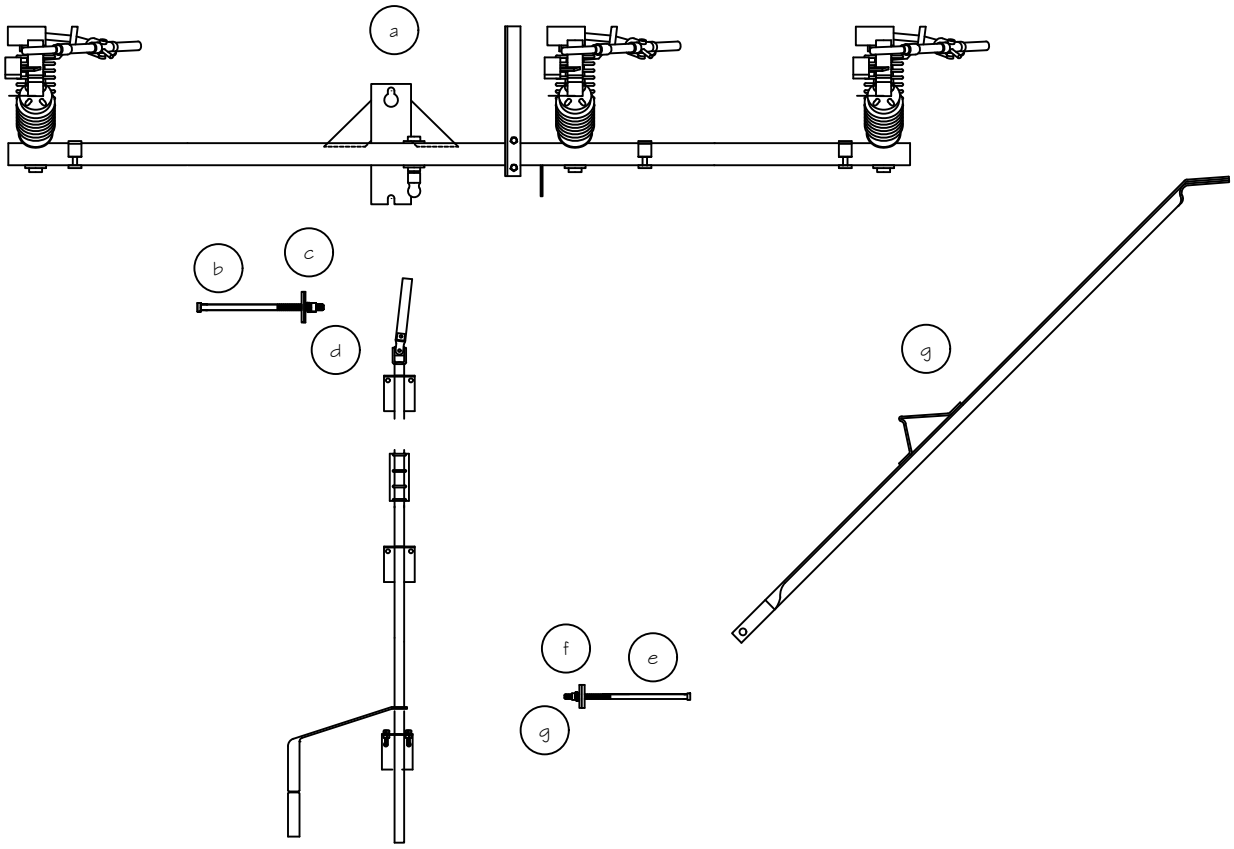
600 AMP 25KV DEADEND DISCONNECT SWITCH

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SW6DED3
SW6DED4



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW6GOABH		
			QUANTITY	QUANTITY	QUANTITY
a	SWITCH, GOAB, 25KV, RLB-600, HORIZONTAL	1-280-170	1		
b	BOLT, MACHINE, 3/4" x 16", w/NUT	1-325-220	2		
c	WASHER, SQUARE, CURVED, 3"	1-325-780	2		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2		
e	BOLT, MACHINE, 5/8" x 16", w/NUT	1-325-190	6		
f	WASHER, SQUARE, CURVED, 3"	1-325-760	6		
g	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	6		
h	PADLOCK, BRASS, SUBSTATION	1-340-365	1		
g	BRACE, GOAB, ANGLE STEEL	1-100-525	1		

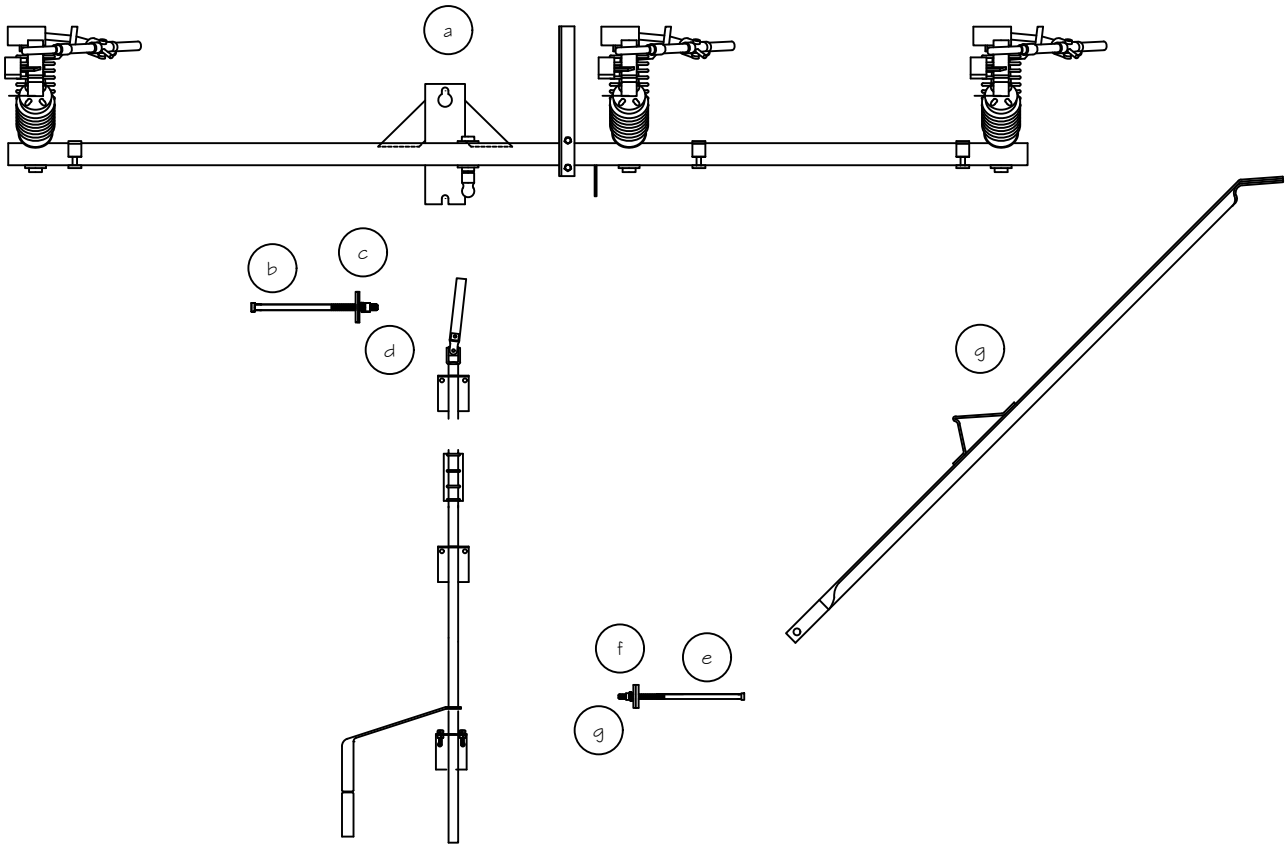
SWITCH 600 AMP
GANG OPERATED AIR BREAK
HORIZONTAL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 5, 2006

ASSEMBLY ID.

SW6GOABH



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW6GOABH-UB		
			QUANTITY	QUANTITY	QUANTITY
a	SWITCH, GOAB, 25KV, RLB-600, HORIZONTAL	1-280-165	1		
b	BOLT, MACHINE, 3/4" x 16", w/NUT	1-325-220	2		
c	WASHER, SQUARE, CURVED, 3"	1-325-780	2		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2		
e	BOLT, MACHINE, 5/8" x 16", w/NUT	1-325-190	6		
f	WASHER, SQUARE, CURVED, 3"	1-325-760	6		
g	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	6		
h	PADLOCK, BRASS, SUBSTATION	1-340-365	1		
g	BRACE, GOAB, ANGLE STEEL	1-100-525	1		

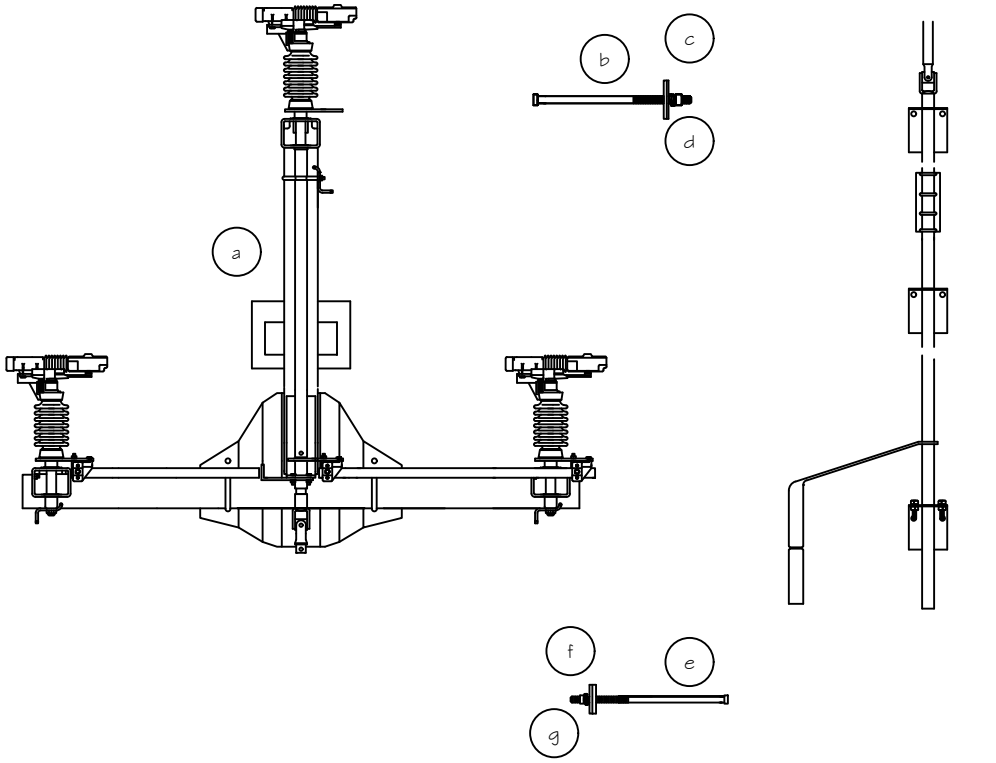
SWITCH 600 AMP GANG OPERATED ABS HORIZONTAL--UNDERBUILD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JULY 5, 2006
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SW6GOABH-UB



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWGGOABT		
			QUANTITY	QUANTITY	QUANTITY
a	SWITCH, GOAB, 25KV, RLB-600, TRIANGULAR	1-280-167	1		
b	BOLT, MACHINE, 3/4" x 16", w/NUT	1-325-220	2		
c	WASHER, SQUARE, CURVED, 4"	1-325-780	2		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2		
e	BOLT, MACHINE, 5/8" x 16", w/NUT	1-325-190	8		
f	WASHER, SQUARE, CURVED, 3"	1-325-760	8		
g	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	6		
h	PADLOCK, BRASS, SUBSTATION	1-340-365	1		

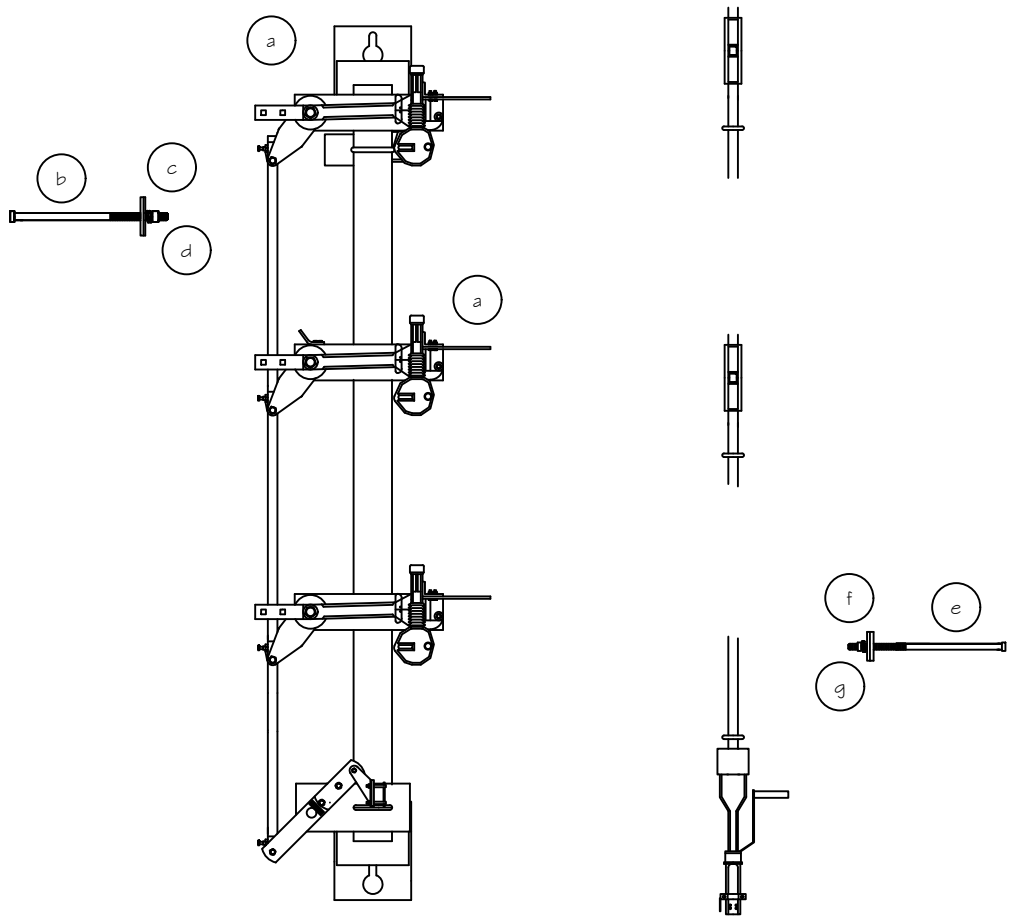
SWITCH 600 AMP GANG OPERATED AIR BREAK TRIANGULAR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REV: JULY 20, 2004

ASSEMBLY ID.

SWGGOABT



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW6GOABV		
			QUANTITY	QUANTITY	QUANTITY
a	SWITCH, GOAB, 25KV, RLB-600, VERTICAL	1-280-169	1		
b	BOLT, MACHINE, 3/4" x 16", w/NUT	1-325-220	2		
c	WASHER, SQUARE, CURVED, 4"	1-325-780	2		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2		
e	BOLT, MACHINE, 5/8" x 16", w/NUT	1-325-190	6		
f	WASHER, SQUARE, CURVED, 3"	1-325-760	6		
g	WASHER, DOUBLE COIL, SPLIT RING,LOCK, 5/8"	1-325-733	6		
h	PADLOCK, BRASS, SUBSTATION	1-340-365	1		

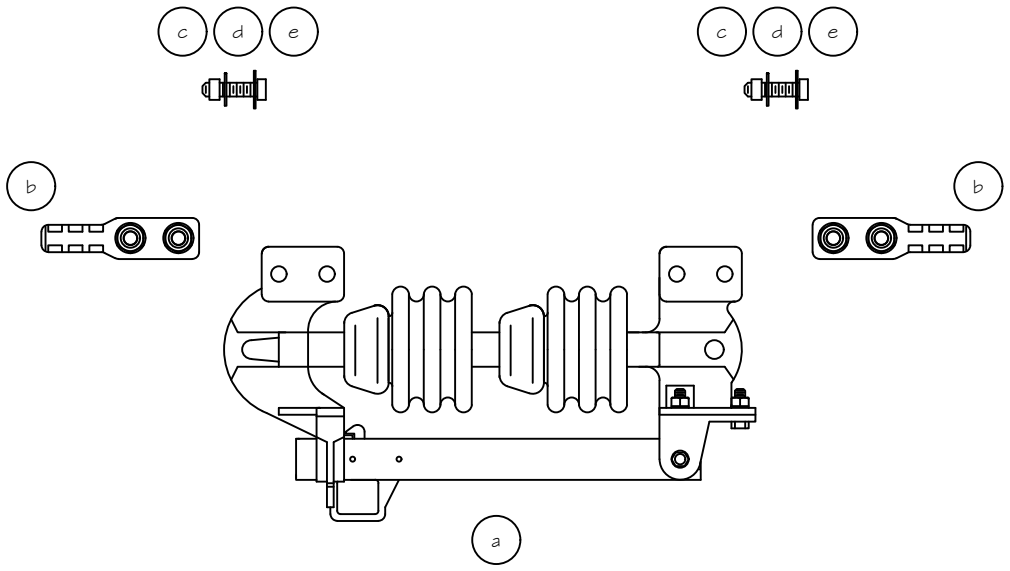
SWITCH 600 AMP GANG OPERATED AIR BREAK VERTICAL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SW6GOABV



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW6ILD3 QUANTITY	SW6ILD4 QUANTITY	QUANTITY
a	SWITCH, LINE TENSION DISC., 600A 150KV	1-280-230	1	1	
b	SPADE, 350 MCM, 2-HOLE, TERMINAL	1-075-190	2	-	
b	SPADE, 500 MCM, CAST AL, 2-HOLE OFFSET, TERM.	1-075-220	-	2	
c	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	4	4	
d	WASHER, BELLEVILLE, 1/2"	1-325-705	4	4	
e	WASHER, FLAT, STAINLESS, 1/2"	1-325-703	4	4	

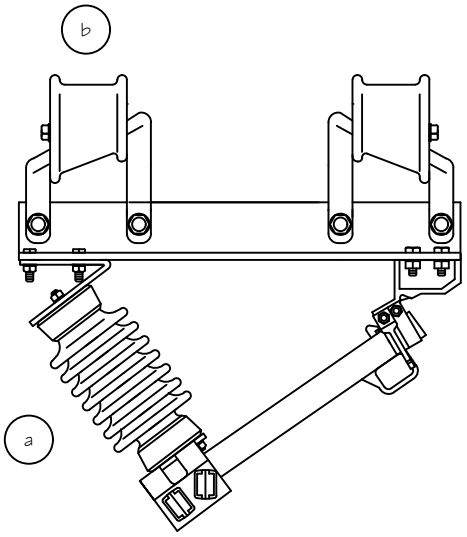
600 AMP 25KV IN-LINE DISCONNECT SWITCH

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SW6ILD3
SW6ILD4



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW6LTD3 QUANTITY	SW6LTD4 QUANTITY	QUANTITY
a	SWITCH, LINE TAP DISC., 600A 150KV	1-280-233	1	1	
b	CONNECTOR, BOLTED AL WEDGE, 336 TO 4/0	1-075-555	2	-	
b	CONNECTOR, BOLTED AL WEDGE, 477 TO 4/0	1-075-560	-	2	

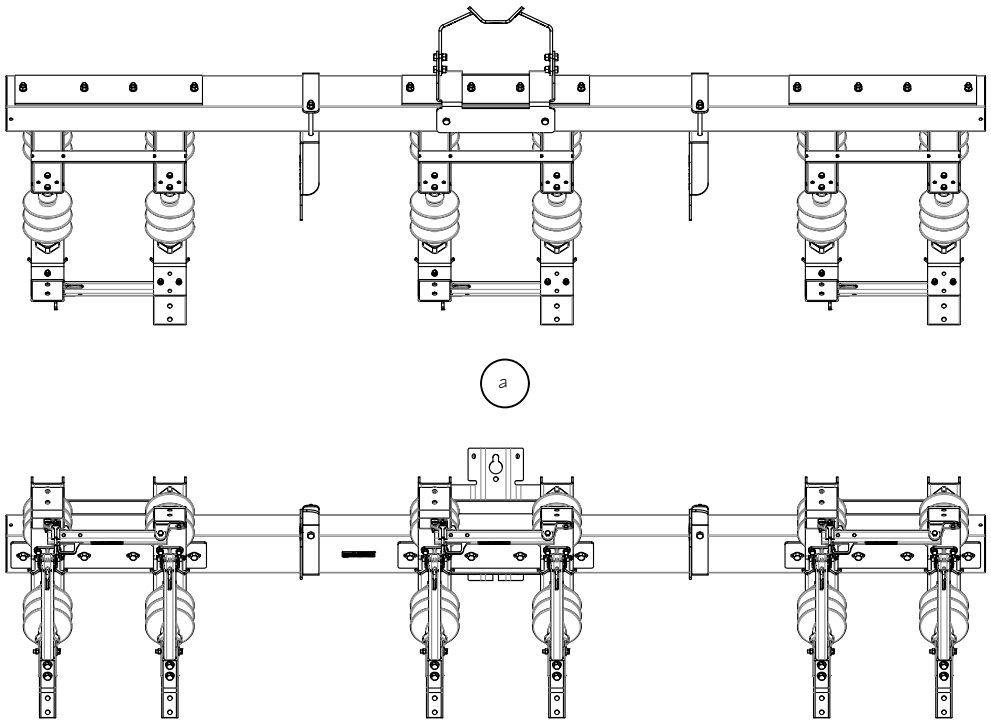
600 AMP 25KV LINE TAP DISCONNECT SWITCH

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revision: JUNE 18, 2008

ASSEMBLY ID.

SW6LTD3
SW6LTD4



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWGRECBYPASS QUANTITY	QUANTITY	QUANTITY
a	SWITCH, RECLOSER BYPASS, FIBERGLASS CROSSARM ASSEMBLY, 3 PHASE	1-280-160	1		
	BOLT, MACHINE, 5/8" X 18"	1-325-195	2		
	WASHER, SQUARE/CURVED, 3"	1-325-760	2		
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2		

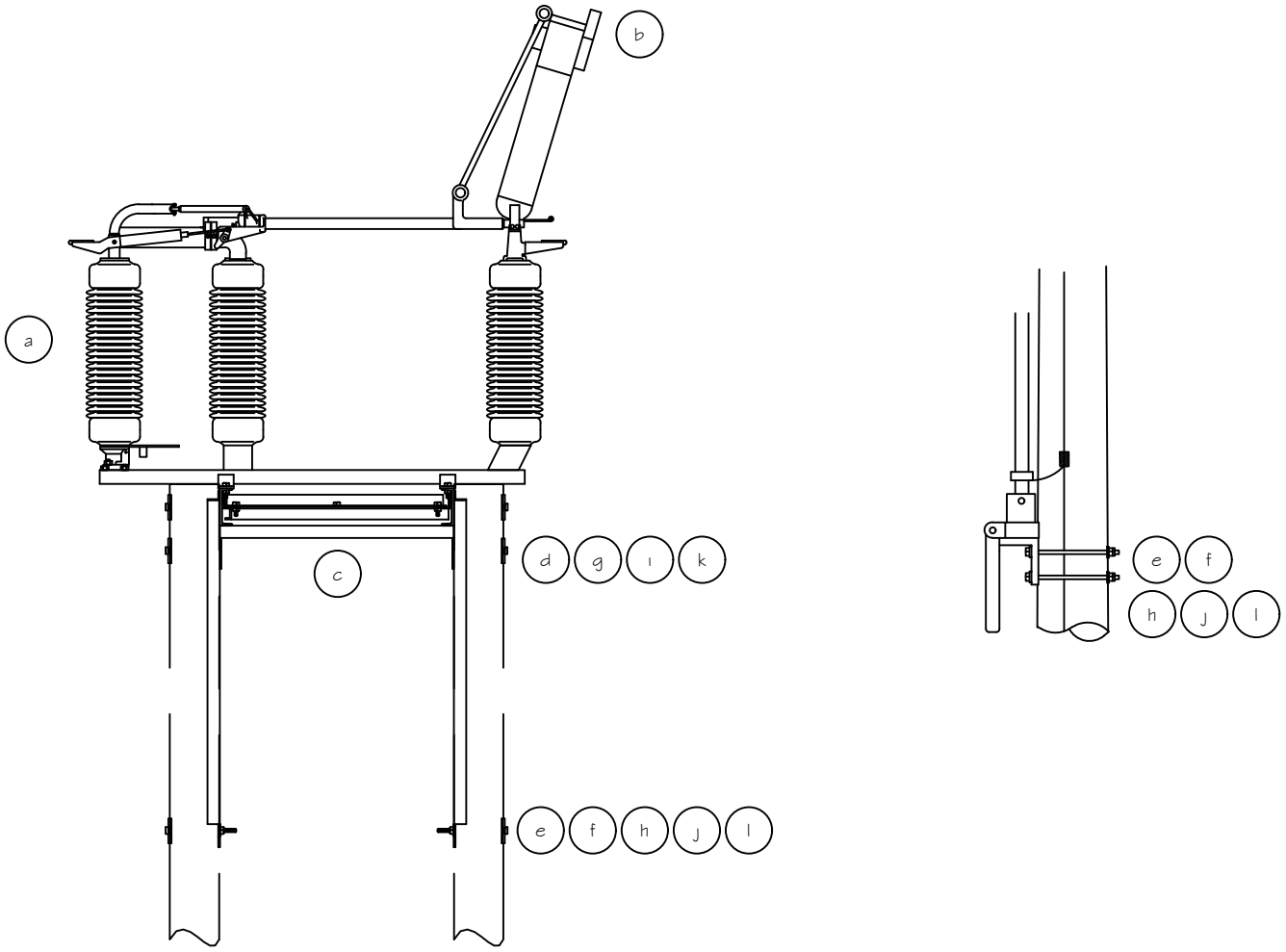
SWITCH, 25KV, 600 AMP RECLOSER BYPASS ON FIBERGLASS CROSSARM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: JLL	DATE: NOVEMEBR 14, 2016
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SWGRECBYPASS



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW12H69 QUANTITY	SW12H69L QUANTITY	QUANTITY
a	SWITCH, 69KV, 1200A, VBH GOAB	1-280-803	1	1	
b	KIT, INTERRUPTER, 69KV, 600A, VBH GOAB	1-280-186	-	3	
c	STEEL SWITCH FRAME, 69KV	1-280-188	1	1	
d	BOLT, MACHINE, 3/4" x 14", w/NUT	1-325-215	4	4	
e	BOLT, MACHINE, 5/8" x 14", w/NUT	1-325-185	4	4	
f	WASHER, SQUARE, CURVED, 3"	1-325-760	4	4	
g	WASHER, SQUARE, CURVED, 4"	1-325-780	4	4	
h	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	4	4	
i	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	4	4	
j	WASHER, SQUARE, FLAT, 3"	1-325-765	4	4	
k	WASHER, SQUARE, FLAT, 4"	1-325-755	4	4	
l	WASHER, FLAT, ROUND, 5/8"	1-325-720	4	4	

NOTE: THIS COMPATIBLE UNIT HAS BEEN RECONFIGURED TO A MACRO UNIT

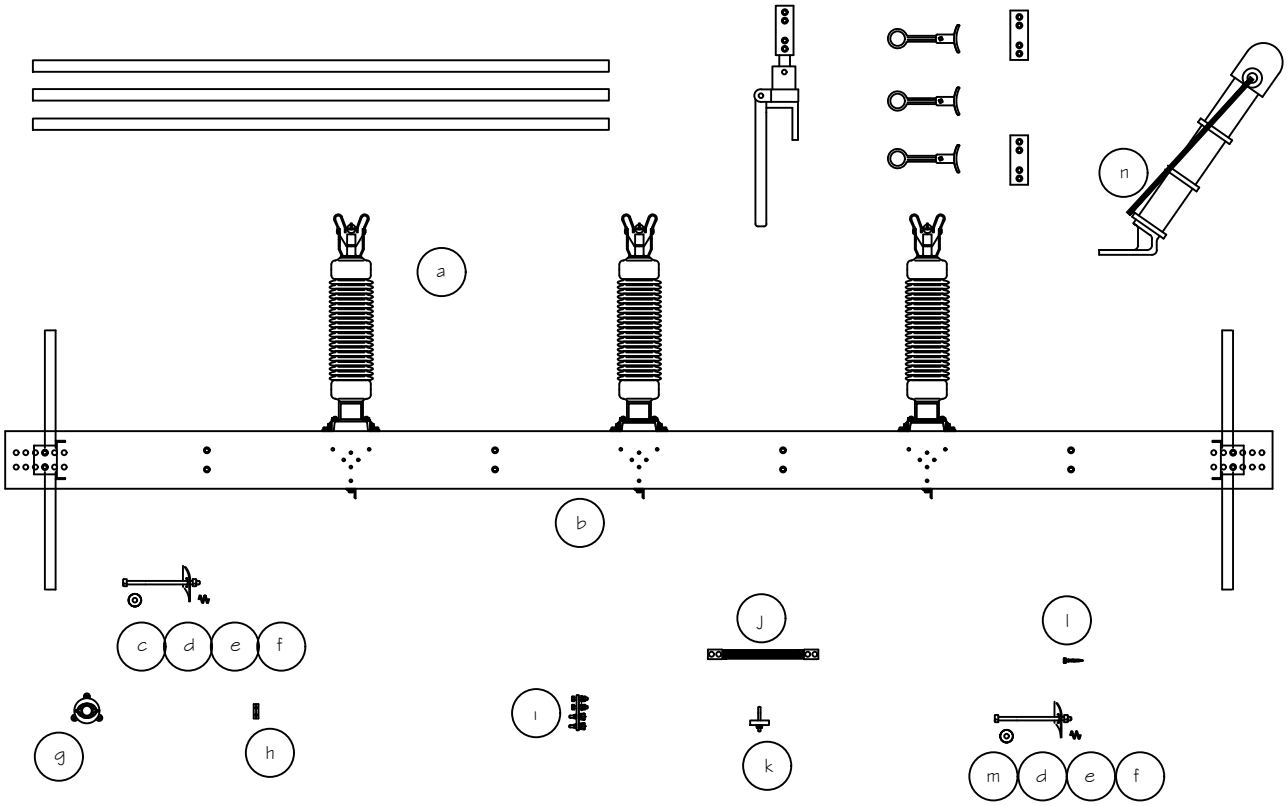
HORIZONTALLY MOUNTED VERTICALLY OPERATED GANG OPERATED AIR-BREAK 69KV - 1200 AMP

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 26, 2013

ASSEMBLY ID.

SW12H69
SW12H69L



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW12569 QUANTITY	SW12569L QUANTITY	QUANTITY
a	SWITCH, 69KV, 1200A, VBH GOAB	1-280-803	1	1	
b	FRAME, 69KV GOAB SWITCH, SIDE POLE	1-280-189	1	1	
c	BOLT, MACHINE, 3/4" x 16"	1-325-220	6	6	
d	WASHER, FLAT, ROUND, 3/4"	1-325-725	8	8	
e	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	8	8	
f	WASHER, SQUARE, CURVED, 4"	1-325-780	8	8	
g	BEARING, SWITCH OPERATOR, 2" PIPE	1-280-192	1	1	
h	CLAMP, GROUND WIRE, 3/4"	1-050-069	8	8	
i	TERMINAL, BNZ 2-HOLE SPADE, #4-250 CU	1-075-040	1	1	
J	SHUNT, FLEXIBLE BRAIDED, 12"	1-265-005	1	1	
k	CLAMP, 2" PIPE GROUND, #4-2/0 CU	1-050-072	1	1	
l	SCREW, LAG, 1/2" x 4"	1-325-145	6	6	
m	BOLT, MACHINE, 3/4" x 20"	1-325-207	2	2	
n	KIT, INTERRUPTER, 69KV 600A, VBH GOAB	1-280-186	-	1	

NOTE: THIS COMPATIBLE UNIT HAS BEEN RECONFIGURED TO A MACRO UNIT

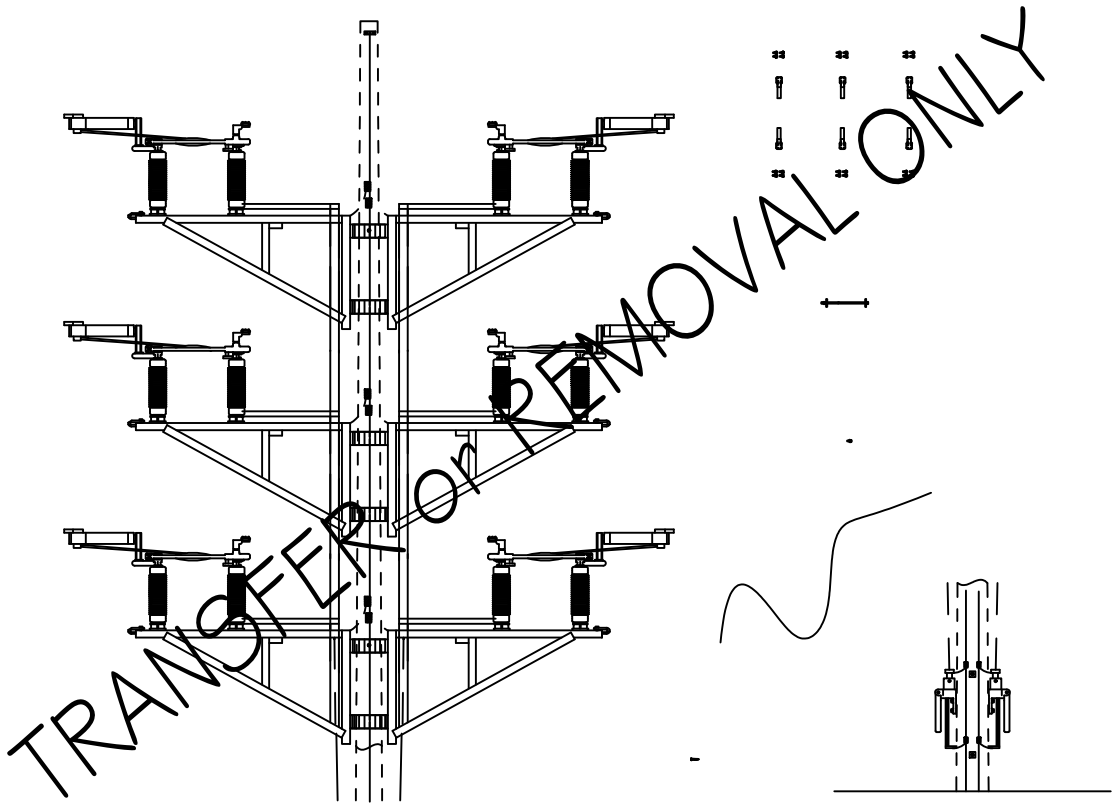
69KV 1200A VBH GOAB SWITCH WITH SIDE POLE MOUNTING

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 26, 2013

ASSEMBLY ID.

SW12569
SW12569L



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW12T69 QUANTITY	SW12T69L QUANTITY	QUANTITY
a	SWITCH, 1200A, 69KV, RLB-1200, 3-WAY	1-280-195	1	1	
b	KIT, INTERRUPTER, 69KV SBV	1-280-183	-	2	
c	BOLT, MACHINE, 3/4" x 24", w/NUT	1-325-217	6	6	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	12	12	
e	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	6	6	
f	SCREW, LAG, 1/2" x 4"	1-325-145	9	9	
g	LINK, FORGED CHAIN, 5/8'	1-160-127	9	9	
h	SHACKLE, ANCHOR, 3/4"	1-010-846	9	9	
i	TUBULAR, ALUMINUM, #954 MCM	1-075-450	9	9	
j	BOLT, STAINLESS STEEL, 1/2" x 2", w/NUT	1-325-230	72	72	
k	WASHER, FLAT ROUND, STAINLESS STEEL, 1/2"	1-325-580	144	144	
l	WASHER, BELLEVILLE, 1/2"	1-325-705	72	72	
m	CONDUCTOR, 1590 MCM AAC SOFT	1-065-065	36'	36'	
n	TERMINAL, 4-HOLE BOLTED, 1590 MCM AL	1-075-535	9	9	

NOTE: THIS COMPATIBLE UNIT HAS BEEN RECONFIGURED TO A MACRO UNIT

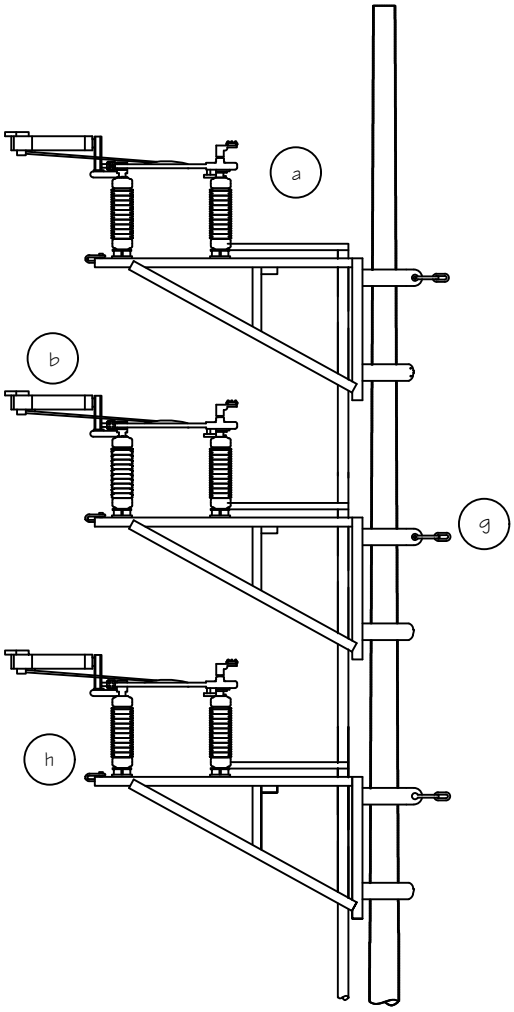
SIDEBREAK VERTICAL - 3 WAY GANG OPERATED AIR BREAK 69KV - 1200A

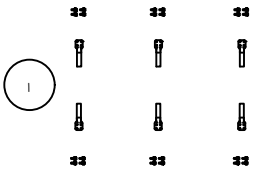
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

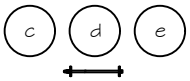
DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 26, 2013

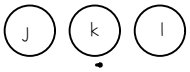
ASSEMBLY ID.

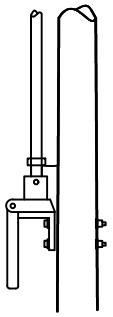
SW12T69
SW12T69L













ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW12V69 QUANTITY	SW12V69L QUANTITY	QUANTITY
a	SWITCH, 1200A 69KV SBV GOAB	1-280-182	1	1	
b	KIT, INTERRUPTER, 69KV SBV	1-280-183	-	1	
c	BOLT, MACHINE, 3/4" x 24", w/NUT	1-325-217	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	4	4	
e	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2	2	
f	SCREW, LAG, 1/2" x 4"	1-325-145	3	3	
g	LINK, FORGED CHAIN, 5/8"	1-160-127	6	6	
h	SHACKLE, ANCHOR, 3/4"	1-010-846	6	6	
i	TUBULAR, ALUMINUM, #954 MCM	1-075-450	6	6	
j	BOLT, STAINLESS STEEL, 1/2" x 2", w/NUT	1-325-230	24	24	
k	WASHER, FLAT ROUND, STAINLESS STEEL, 1/2"	1-325-580	48	48	
l	WASHER, BELLEVILLE, 1/2"	1-325-705	24	24	

NOTE: THIS COMPATIBLE UNIT HAS BEEN RECONFIGURED TO A MACRO UNIT

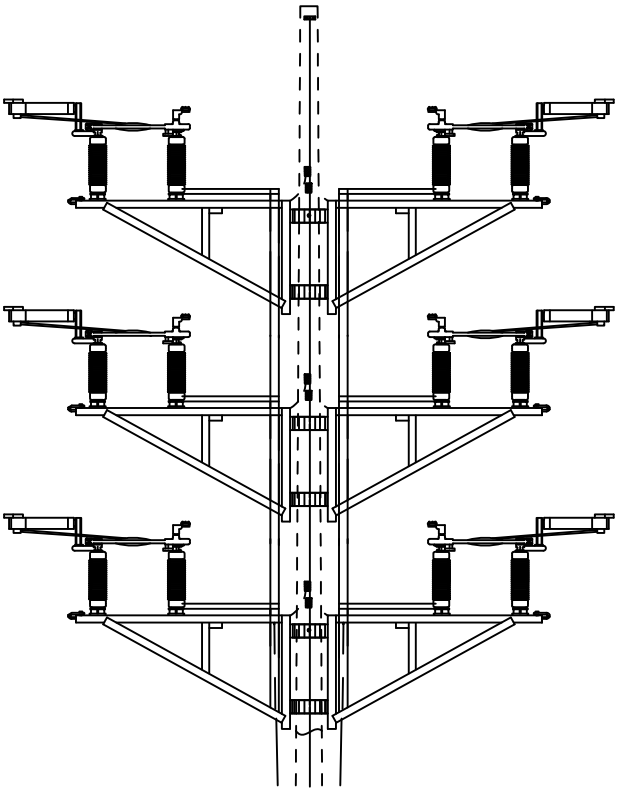
SIDEBREAK VERTICAL GANG OPERATED AIR BREAK 69KV - 1200A, 600A

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

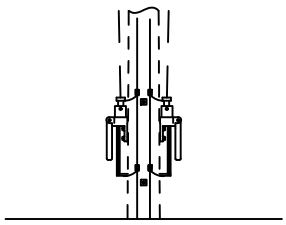
DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 26, 2013

ASSEMBLY ID.

SW12V69
SW12V69L



—NOTE—
Drawing shown does not accurately represent purchased material. See manufacture catalog for exact dimensions and drawings.



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW12V69L3WAY		
			QUANTITY	QUANTITY	QUANTITY
a	SWITCH, 69KV, 1200A, SBH, GOAB, RHB, 3-WAY	1-280-179	1		

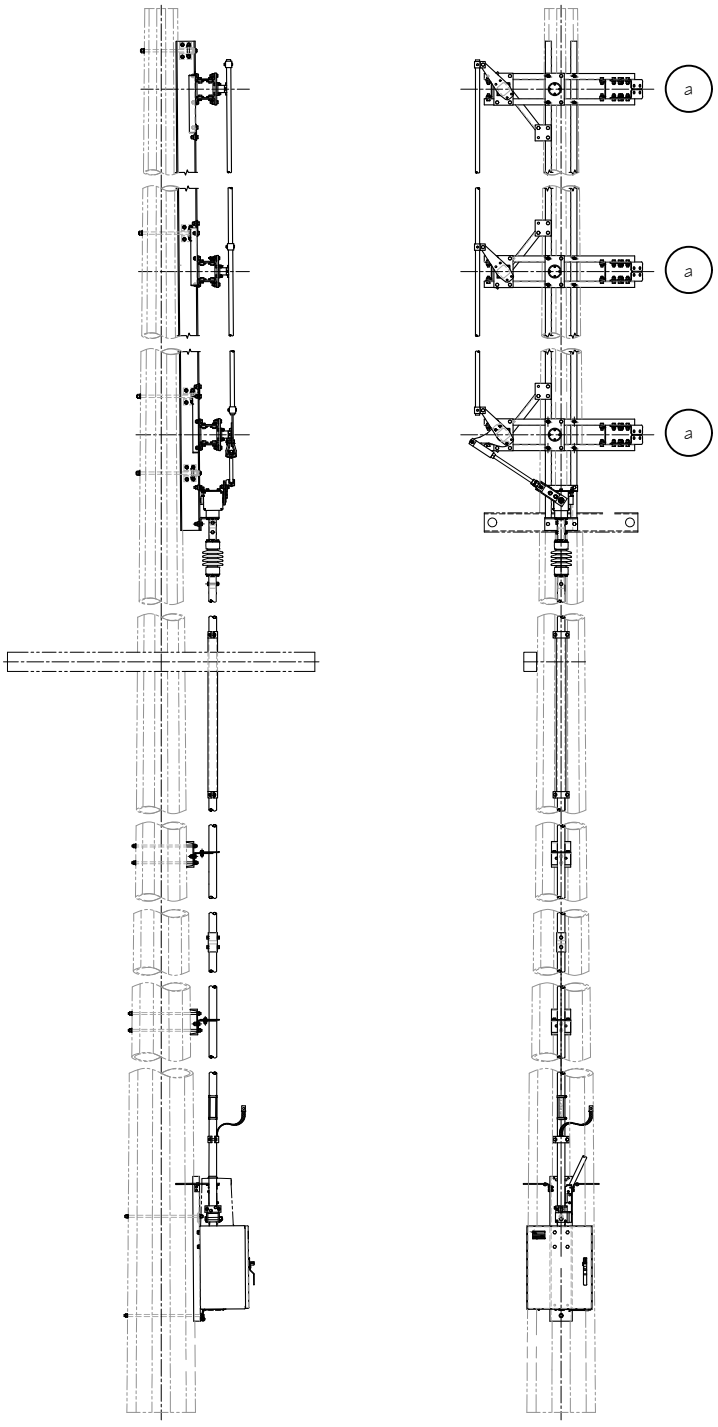
SIDEBREAK HORIZONTAL - 3 WAY GANG OPERATED AIR BREAK 69KV - 1200A

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MAY 6, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SW12V69L3WAY



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SW12V69L UNIT7		
			QUANTITY	QUANTITY	QUANTITY
a	SWITCH, VERTICAL BREAK, 1-WAY, UNITIZED, 7 FT SPACING, 1200A 69KV	1-280-180	3		
b	-	-	-		
c	-	-	-		

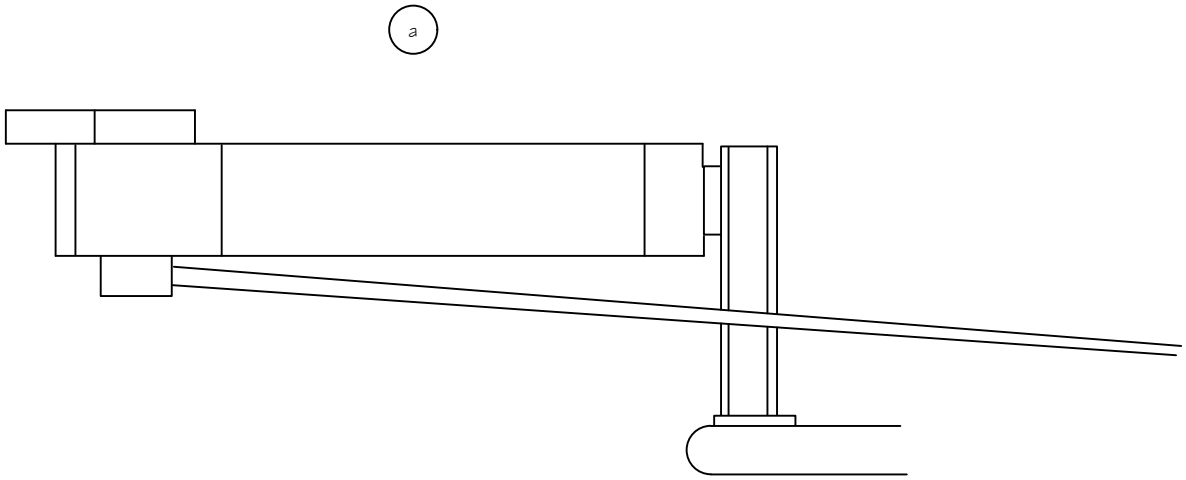
1200 AMP 69KV VERTICAL BREAK UNITIZED SWITCH

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 28, 2015
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SW12V69L UNIT7



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	VACBTL69		
			QUANTITY	QUANTITY	QUANTITY
a	KIT, INTERRUPTER, 69KV 600A, SBV GOAB	1-280-183	1		

VACUUM INTERRUPTER KIT FOR 69 KV G.O.A.B. SWITCH

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

VACBTL69

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
SWOPER69V-SUB	OPERATOR, MOTOR, AUTOMATIC, 69KV, SBV, ABS	1-280-320	1
SWOPER69H	OPERATOR, MOTOR, AUTOMATIC, 69KV, SBH, ABS	1-280-321	1
SWOPER69H-SUB	OPERATOR, MOTOR, AUTOMATIC, 69KV, SBH, SUB	1-280-322	1
SWOPER25H	OPERATOR, MOTOR, AUTO, 25KV, HORIZ, ABS	1-280-325	1
SWOPER69H-NC	OPERATOR, MOTOR, AUTOMATIC, 120v AC, ETHERNET, SM	1-280-345	1

GOAB
SWITCH OPERATORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: W. JACOBS	DATE: JULY 12, 2006
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 30, 2015

ASSEMBLY ID.

SWITCH OPERATORS

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ANCHORS & GUYS

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.
	GALVANIZED GUYSTRAND	
GUYGALV 14	GUYSTRAND, 1/4" GALVANIZED STEEL, S.M. GRADE	1-010-510
GUYGALV38	GUYSTRAND, 3/8" GALVANIZED HIGH STRENGTH STEEL, COIL	1-010-518
	ALUMOWELD GUYSTRAND	
GUYAW76	GUYSTRAND, 7#6 ALUMOWELD	1-010-570

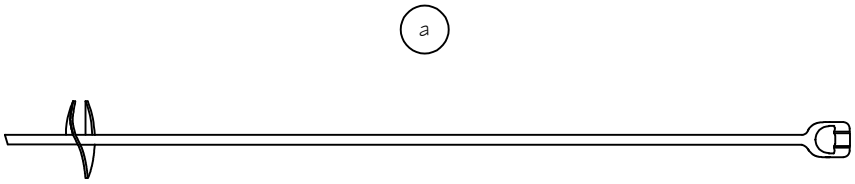
GALVANIZED & ALUMOWELD GUYSTRAND

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JULY 31, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: MAY 7, 2008

ASSEMBLY ID.

GUYSTRAND



Note: 10" Screw Anchor
"FOR REMOVAL ONLY"

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ANC6S	ANC10S	
			QUANTITY	QUANTITY	QUANTITY
a	ANCHOR, 6" SCREW	1-010-040	1	-	
a	ANCHOR, 10" SCREW	1-010-050	-	1	

"FOR REMOVAL ONLY"

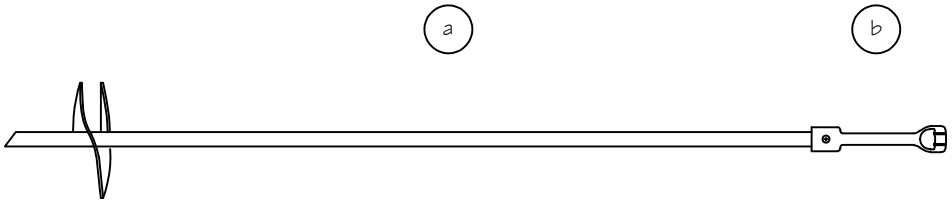
SCREW ANCHORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: FEBRUARY 23, 2010

ASSEMBLY ID.

ANC6S
ANC10S



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ANC15SH		
			QUANTITY	QUANTITY	QUANTITY
a	ANCHOR, SINGLE HELIX, 1.5" SQUARE SHAFT	1-010-055	1		
b	ADAPTER, TRIPLEYE FOR 1.5" PISA	1-010-080	1		

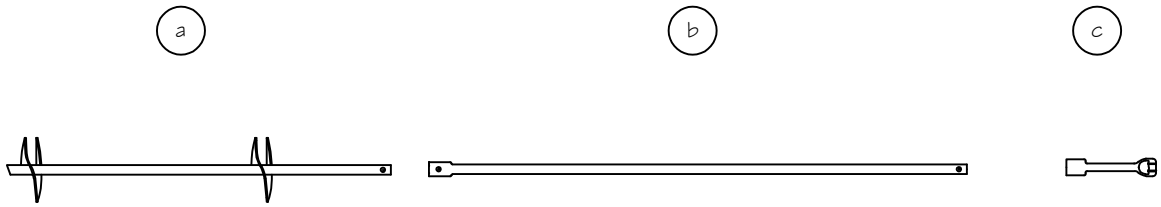
12" SINGLE HELIX POWER INSTALLED ANCHOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: 8/20/2019

ASSEMBLY ID.

ANC15SH



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ANC15DHS QUANTITY	ANC15DHL QUANTITY	QUANTITY
a	ANCHOR, DOUBLE HELIX, 1.5" SHAFT PISA	1-010-060	1	1	
b	EXTENSION, PISA, 1.5" x 84"	1-010-072	-	1	
b	EXTENSION, PISA, 1.5"x 42"	1-010-070	1	-	
c	ADAPTER, TRIPLEYE FOR 1.5" PISA	1-010-080	1	1	

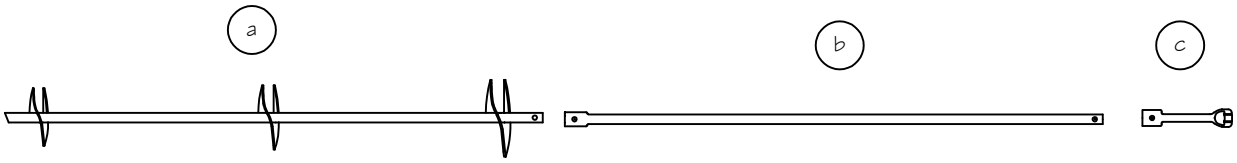
DOUBLE - HELIX POWER ANCHOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ANC15DHS
ANC15DHL



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ANC15THS QUANTITY	ANC15THL QUANTITY	QUANTITY
a	ANCHOR, TRIPLE HELIX, 1.5" SHAFT PISA	1-010-065	1	1	
b	EXTENSION, PISA, 1.5" x 42"	1-010-070	1	-	
b	EXTENSION, PISA, 1.5" x 84"	1-010-072	-	1	
c	ADAPTER, TRIPLEYE FOR 1.5" PISA	1-010-080	1	1	

TRIPLE - HELIX POWER ANCHOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ANC15THS
ANC15THL



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ANC125XT		
			QUANTITY	QUANTITY	QUANTITY
a	ANCHOR ROD, EXTENSION	1-010-810	1		

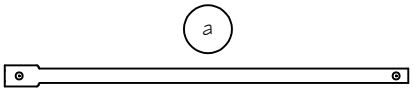
1 1/4" SCREW ANCHOR EXTENSION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

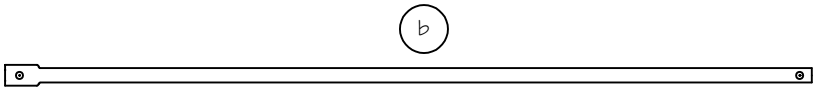
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

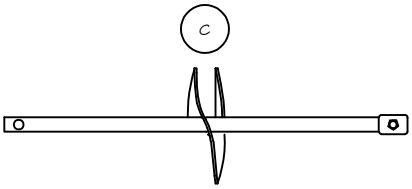
ANC125XT



ANC15XTS



ANC15XTL



ANC15XTH

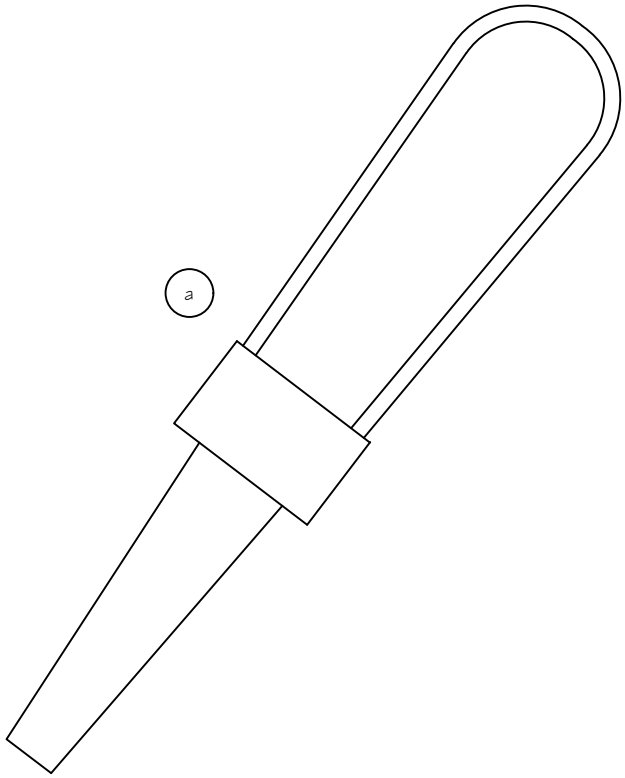
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ANC15XTS QUANTITY	ANC15XTL QUANTITY	ANC15XTH QUANTITY
a	EXTENSION, PISA, 42"	1-010-070	1	-	-
b	EXTENSION, PISA, 84"	1-010-072	-	1	-
c	EXTENSION, SINGLE HELIX ANCHOR, 1.5" SQUARE SHAFT	1-010-074	-	-	1

1.5" SQUARE SHAFT EXTENSIONS FOR POWER INSTALLED ANCHORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
ANC15XTS
ANC15XTL
ANC15XTH



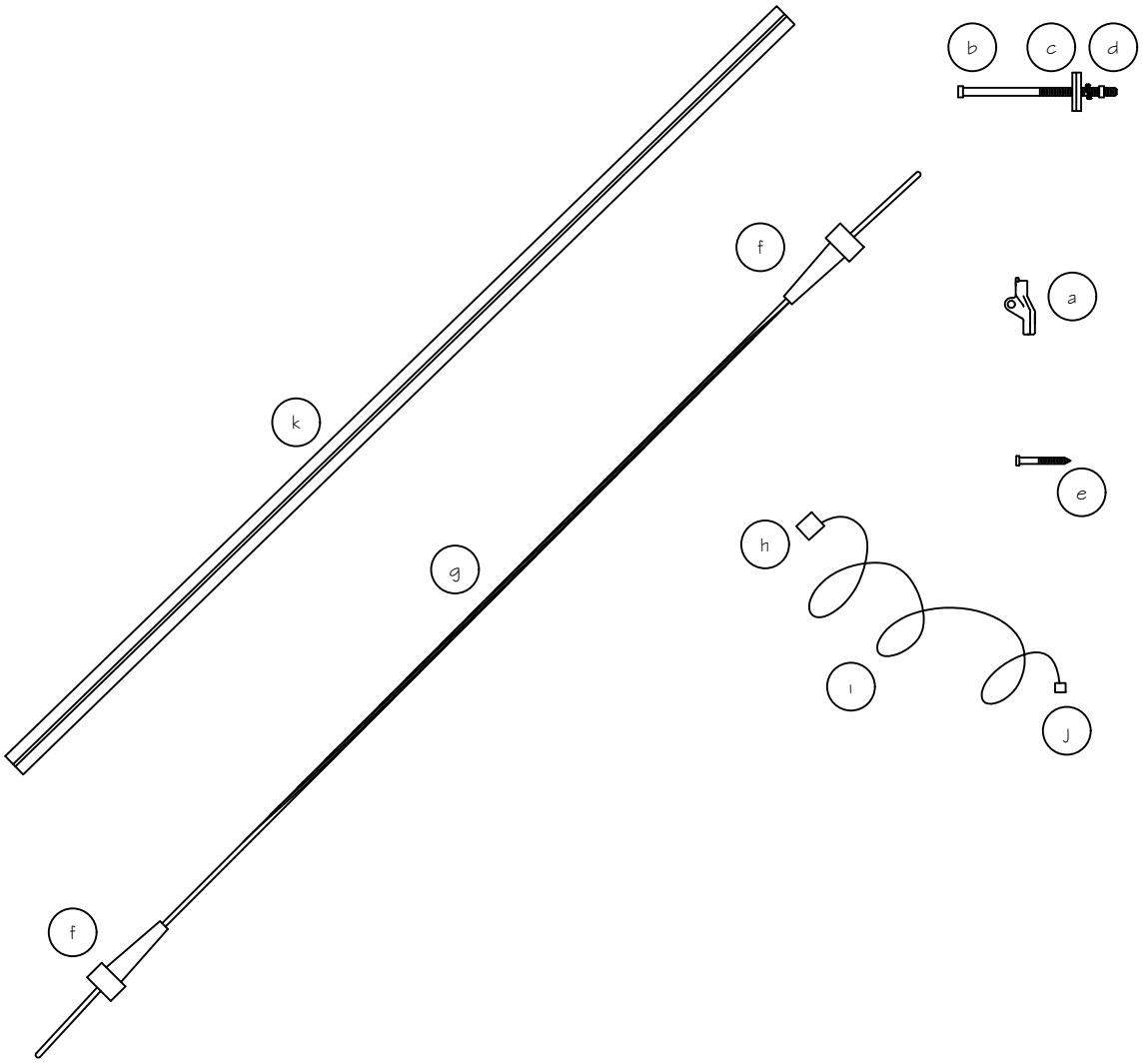
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GSDE14	GSDE76	GSDE38
			QUANTITY	QUANTITY	QUANTITY
a	DEADEND, GUYSTRAND, AUTOMATIC, 1/4" G	1-270-365	1	-	-
a	DEADEND, GUYSTRAND, AUTOMATIC, 7#6 AW	1-270-367	-	1	-
a	DEADEND, GUYSTRAND, AUTOMATIC, 3/8"	1-270-370	-	-	1

GUYSTRAND DEADENDS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
GSDE14
GSDE76
GSDE38



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GN38 QUANTITY	QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 5/8"	1-010-887	1		
b	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1		
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1		
e	SCREW, LAG, 1/2" x 4"	1-325-145	1		
f	STRANDVISE, w/BAIL, 3/8" SLEEVES (GUY WIRE)	1-270-370	2		
g	3/8", HIGH STRENGTH STEEL STRAND	1-010-518	40'		
h	CONNECTOR, PRL. GRVE., COMP., #2/7	1-075-250	1		
i	CONDUCTOR, #4 BARE COPPER	1-065-040	2'		
J	CONNECTOR, PRL. GRVE., COMP., #4	1-075-313	1		
k	GUARD, YELLOW PLASTIC	1-010-870	1		

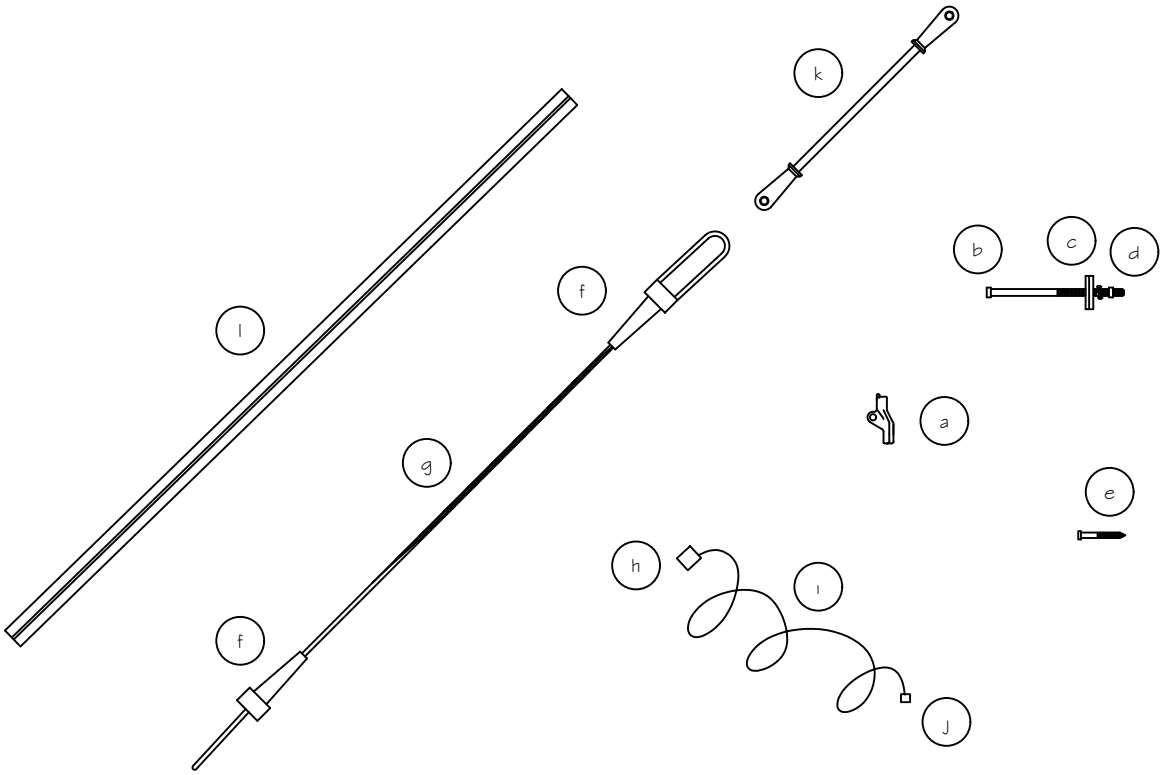
NEUTRAL/SECONDARY POSITION GUY USING 3/8" HSS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GN38



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GP38S	GP38L	
			QUANTITY	QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 5/8"	1-010-887	1	-	
a	ATTACHMENT, GUY, COMBINATION, 3/4"	1-010-885	-	1	
b	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1	-	
b	BOLT, MACHINE, 3/4" x 12" w/NUT	1-325-210	-	1	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1	-	
c	WASHER, SQUARE, CURVED, 4"	1-325-780	-	1	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	-	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-733	-	1	
e	SCREW, LAG, 1/2" x 4"	1-325-145	1	1	
f	DEADEND, GUYSTRAND, AUTOMATIC, 3/8G	1-270-370	2	2	
g	3/8", HIGH STRENGTH STEEL STRAND	1-010-518	50'	50'	
h	CONNECTOR, PRL. GRVE., COMP., #2/7	1-075-250	1	1	
i	CONDUCTOR, #4 BARE COPPER	1-065-040	6'	6'	
J	CONNECTOR, PRL. GRVE., COMP., #4	1-075-313	1	1	
k	INSULATOR, FIBERGLASS, STRAIN, 24"	1-160-115	1	-	
k	INSULATOR, FIBERGLASS, STRAIN, 54"	1-160-122	-	1	
l	GUARD, YELLOW PLASTIC	1-010-870	1	1	

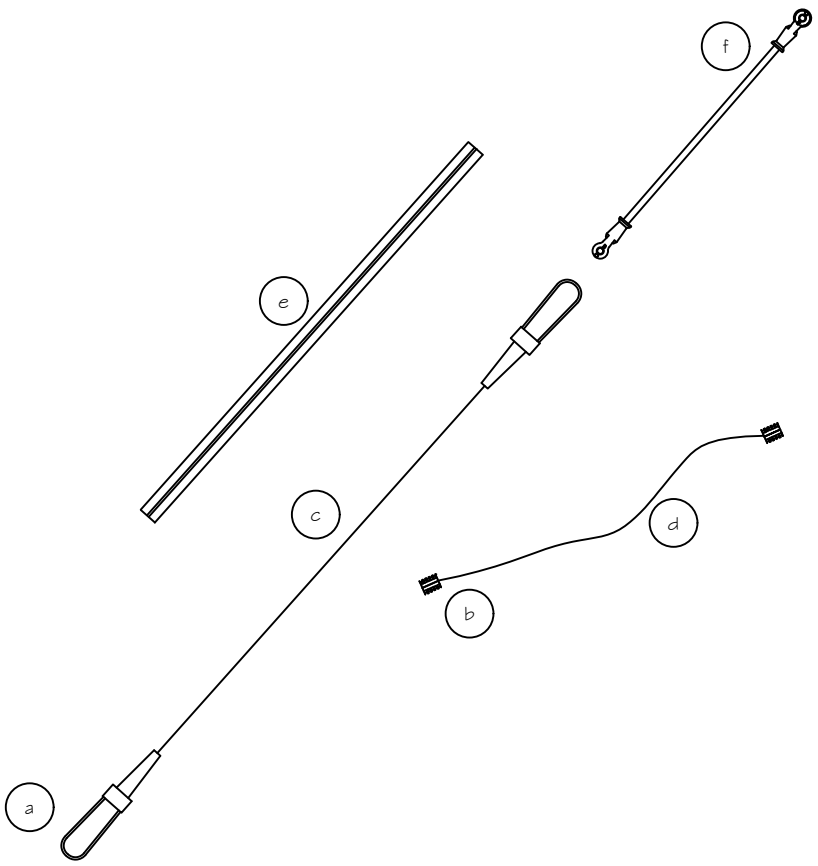
PRIMARY POSITION GUY USING 3/8" HSS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GP38S
GP38L



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GUY38D	GUY38DI	
			QUANTITY	QUANTITY	QUANTITY
a	STRANDVISE, w/BAIL, 3/8" SLEEVES	1-270-370	2	2	
b	CONNECTOR, PRL. GRVE. COMP., #4/7	1-075-250	2	2	
c	GUYSTRAND, 3/8" HIGH STRENGTH	1-010-518	40'	45'	
d	CONDUCTOR, #4 BARE COPPER	1-065-040	4'	6'	
e	GUARD, GUY, YELLOW	1-010-870	1	1	
f	INSULATOR, FIBERGLASS, GUY STRAIN, 24"	1-160-115	-	1	

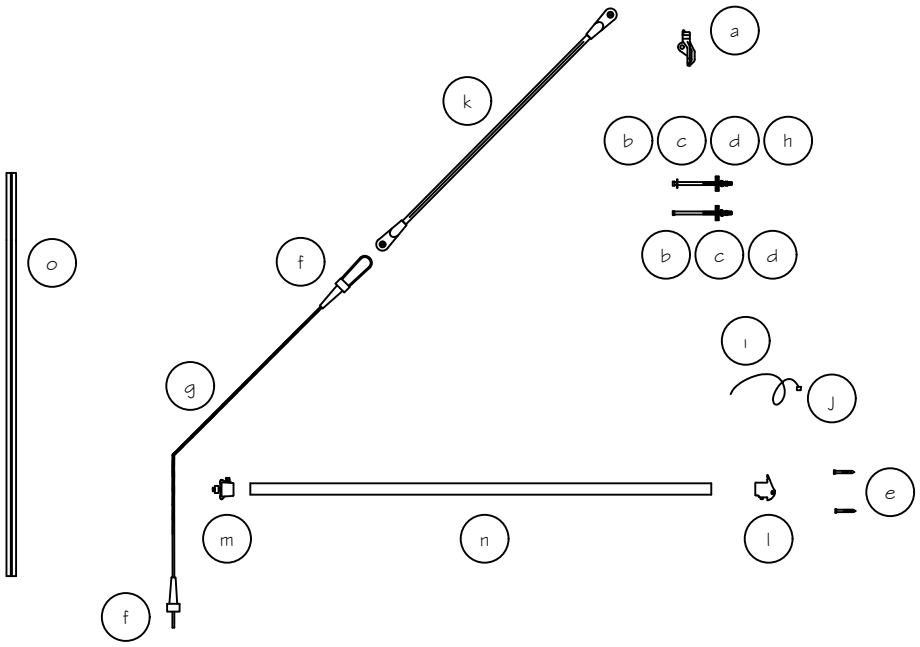
GUY, 3/8" HSS DIAGONAL AND DIAGONAL INSULATED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: AUGUST 7, 2006

ASSEMBLY ID.

GUY38D
GUY38DI



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GPS7#6	GPS38	
			QUANTITY	QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 3/4"	1-010-885	1	-	
a	ATTACHMENT, GUY, COMBINATION, 3/4"	1-010-887	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
e	SCREW, LAG, 1/2" x 4"	1-325-145	3	3	
f	DEADEND, GUYSTRAND, AUTOMATIC, 7#6 AW	1-270-367	2	-	
f	DEADEND, GUYSTRAND, AUTOMATIC, 3/8"	1-270-370	-	2	
g	GUY STRAND, 7#6 ALUMOWELD	1-010-570	30'	-	
g	GUY STRAND, 3/8"	1-010-518	-	30'	
h	WASHER, FLAT, ROUND, 5/8"	1-325-720	1	1	
i	CONDUCTOR, #4 BARE COPPER (Note: Item is not part of material issued)	1-065-040	2'	2'	
j	CONNECTOR, PRL. GRVE., COMP., #4	1-075-313	1	1	
k	INSULATOR, FIBERGLASS STRAIN, 54"	1-160-122	1	-	
k	INSULATOR, FIBERGLASS STRAIN, 24"	1-160-115	-	1	
l	POLE, SIDEWALK GUY, PLATE	1-210-070	1	1	
m	END FITTING FOR SIDEWALK GUY	1-010-850	1	1	
n	CONDUIT, RIGID, STEEL, 2"	1-070-100	10'	10'	
o	GUARD, YELLOW PLASTIC	1-010-870	1	1	

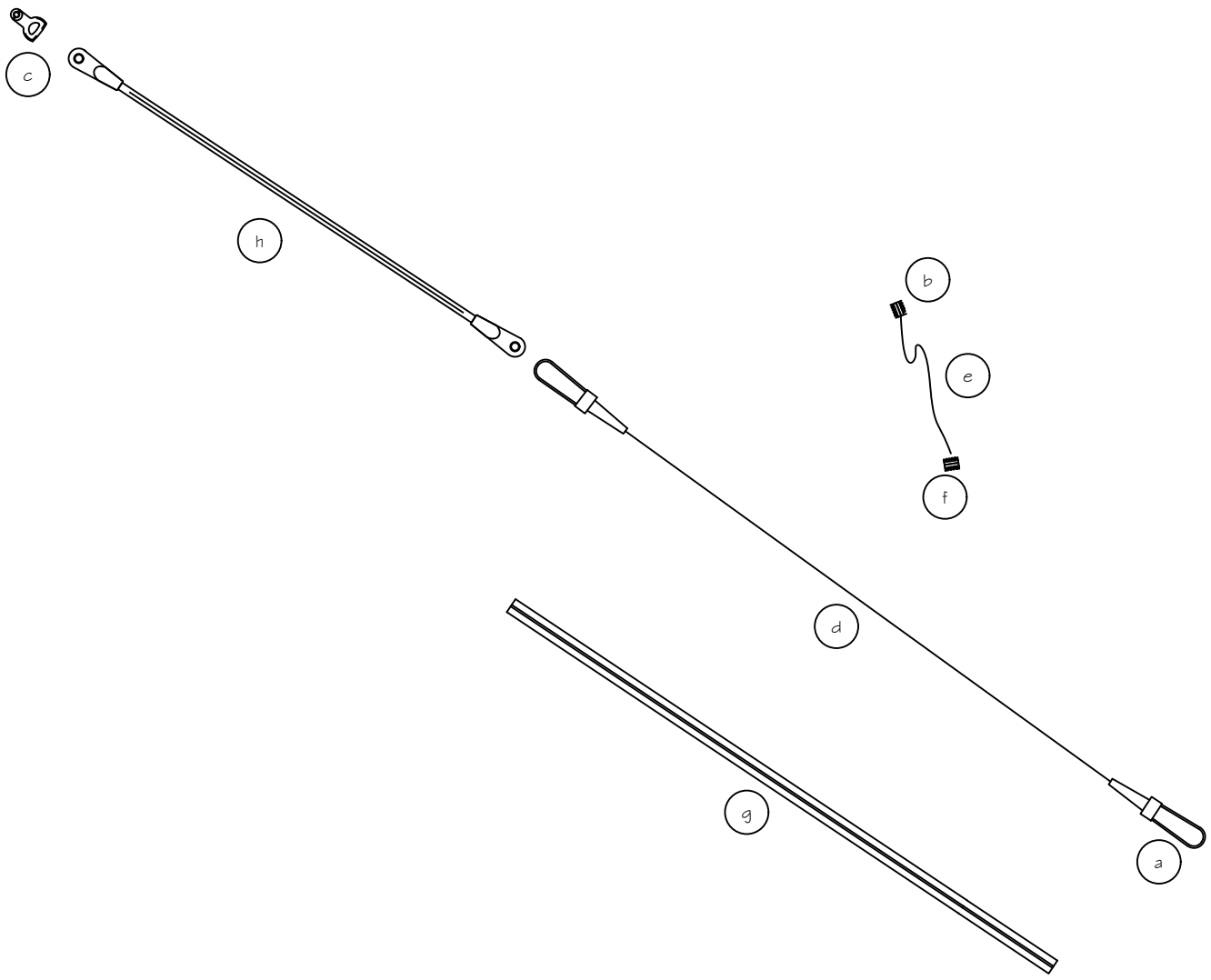
PRIMARY POSITION SIDEWALK GUY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: June 30, 2014

ASSEMBLY ID.

GPS7#6
GPS38



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GUY76D	GUY76DI	
			QUANTITY	QUANTITY	QUANTITY
a	DEADEND, GUYSTRAND, AUTOMATIC, 7#6	1-270-367	2	2	
b	CONNECTOR, PRL. GRVE. COMP., #5/7	1-075-260	1	1	
c	CLEVIS, THIMBLE, 2 1/4"	1-055-055	1	-	
d	GUYSTRAND, 7#6 ALUMOWELD	1-010-570	45'	50'	
e	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	4'	7'	
f	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	1	1	
g	GUARD, GUY, YELLOW	1-010-870	1	1	
h	INSULATOR, FIBERGLASS GUY STRAIN, 78"	1-160-123	-	1	

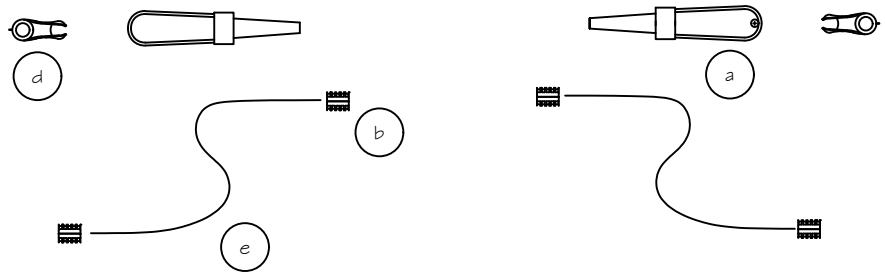
GUY, 7#6 ALUMOWELD DIAGONAL AND DIAGONAL INSULATED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

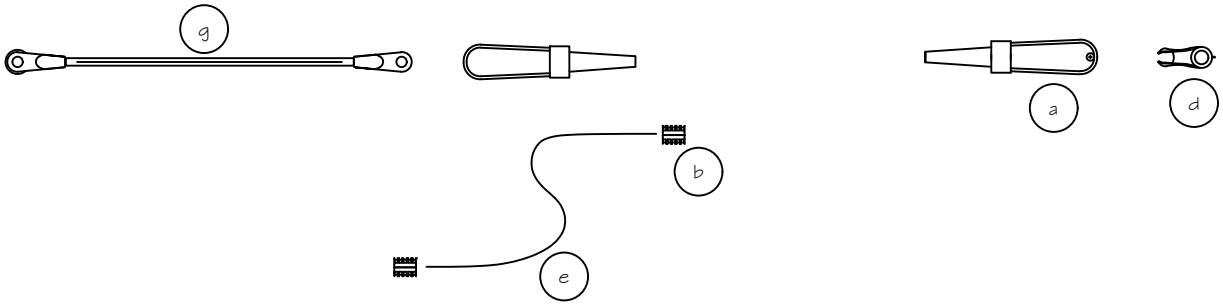
DRAWN BY: D.GIBBS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: July 24, 2015

ASSEMBLY ID.

GUY76D
GUY76DI



GUY38S



GUY38SI or GUY38SIL

--NOTE--
Specify Guystrand Seperately
CU: GUYGALV38

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GUY38S	GUY38SI	GUY38SIL
			QUANTITY	QUANTITY	QUANTITY
a	STRANDVISE, w/BAIL, 3/8" SLEEVES	1-270-370	2	2	2
b	CONNECTOR, PRL. GRVE. COMP., #4/7	1-075-250	4	2	2
d	CLEVIS, THIMBLE TYPE	1-055-040	2	1	1
e	CONDUCTOR, #4 BARE COPPER	1-065-040	8'	4'	4'
g	INSULATOR, FIBERGLASS GUY STRAIN, 24"	1-160-115	-	1	-
g	INSULATOR, FIBERGLASS GUY STRAIN, 60"	1-160-117	-	-	1

GUY, 3/8" HSS
SPAN &
SPAN INSULATED

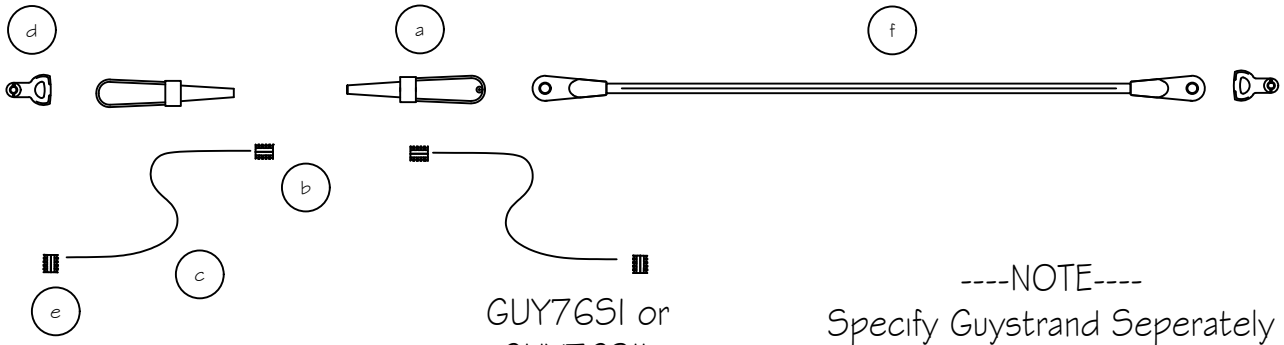
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.
GUY38S
GUY38SI
GUY38SIL



GUY76S



GUY76SI or
GUY76SIL

----NOTE----
Specify Guystrand Seperately
CU: GUYAW76

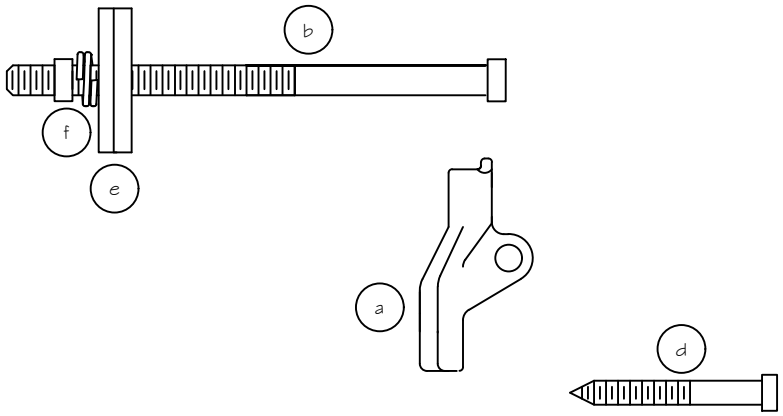
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GUY76S QUANTITY	GUY76SI QUANTITY	GUY76SIL QUANTITY
a	DEADEND, GUYSTRAND, AUTOMATIC, 7#6	1-270-367	2	2	2
b	CONNECTOR, PRL. GRVE. COMP., #5/7	1-075-260	2	1	1
c	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	8'	4'	4'
d	CLEVIS, THIMBLE TYPE, 2 1/4"	1-055-055	2	1	1
e	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	2	1	1
f	INSULATOR, FIBERGLASS, BUY STRAIN, 54"	1-160-122	-	1	-
f	INSULATOR, FIBERGLASS, BUY STRAIN, 78"	1-160-123	-	-	1

GUY, 7#6, ALUMOWELD SPAN AND SPAN INSULATED

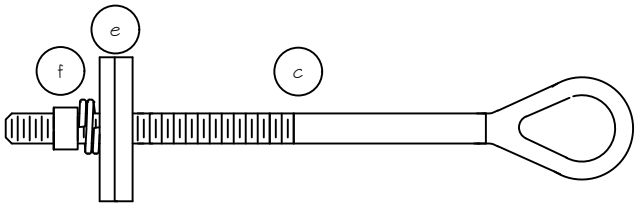
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 10, 2006

ASSEMBLY ID.
GUY76S
GUY76SI
GUY76SIL



GA1OD



GAIOH

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GA1OD	GA1OH	
			QUANTITY	QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 5/8"	1-010-887	1	-	
b	BOLT, MACHINE, 5/8" x 10", w/NUT	1-325-175	1	-	
c	BOLT, OVAL EYE, 5/8" x 10"	1-325-075	-	1	
d	SCREW, LAG, 1/2" x 4"	1-325-145	1	-	
e	WASHER, SQUARE, CURVED, 3"	1-325-760	1	1	
f	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	

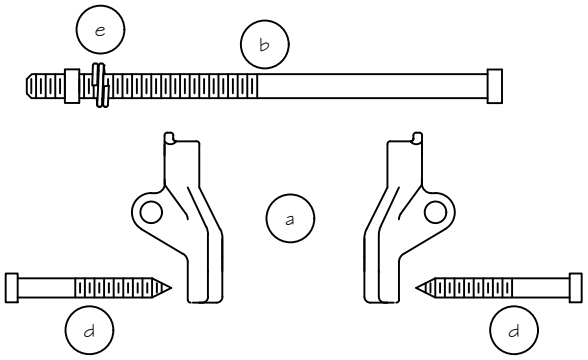
GUY ATTACHMENT
10,000 # CLASS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

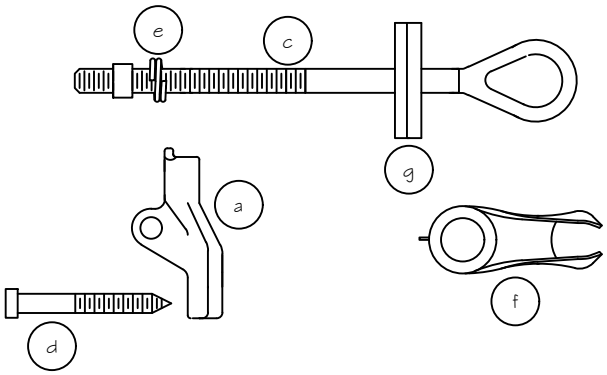
DRAWN BY: D. GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: JULY 10, 2006

ASSEMBLY ID.

GA1OD
GAIOH



GA10S



GA10T

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GA10S QUANTITY	GA10T QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 5/8"	1-010-887	2	2	
b	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	
c	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1	-	
d	SCREW, LAG, 1/2" x 4"	1-325-145	2	2	
e	BOLT, OVAL EYE, 5/8" x 10"	1-325-075	-	1	
f	CLEVIS, THIMBLE TYPE	1-055-040	-	-	
g	WASHER, SQUARE, CURVED, 3"	1-325-760	-	1	

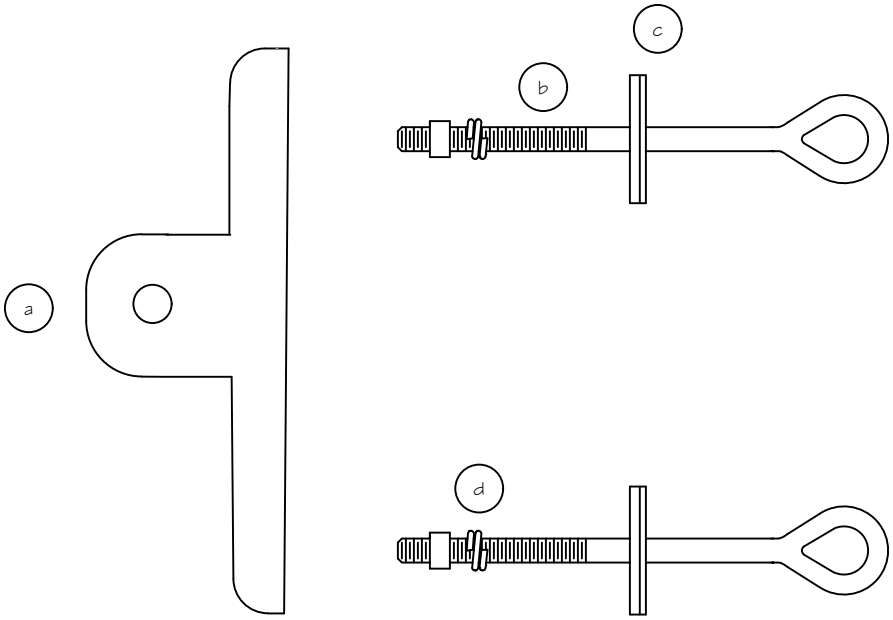
GUY ATTACHMENT 10,000 # CLASS TRANSITIONAL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: JULY 10, 2006

ASSEMBLY ID.

GA10S
GA10T



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GA15T QUANTITY	QUANTITY	QUANTITY
a	PLATE, POLE, 12"	1-210-080	1		
b	BOLT, OVAL EYE, 3/4" x 12", w/NUT	1-325-099	2		
c	WASHER, SQUARE, CURVED, 4"	1-325-780	2		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2		

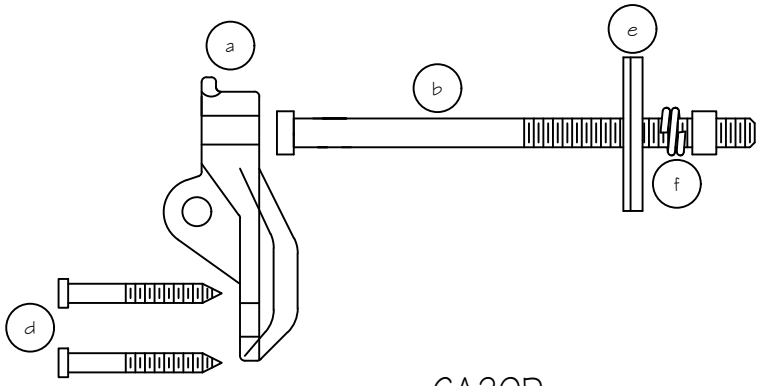
GUY ATTACHMENT CONSOLIDATING TRANSITIONAL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

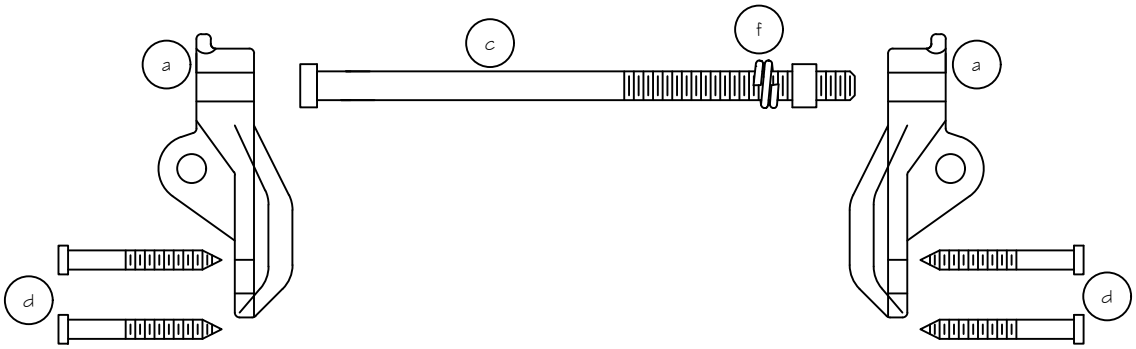
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GA15T



GA20D



GA20S

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GA20D	GA20S	
			QUANTITY	QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 3/4"	1-010-885	1	2	
b	BOLT, MACHINE, 3/4" x 12"	1-325-210	1	-	
c	BOLT, MACHINE, 3/4" x 14", w/NUT	1-325-215	-	1	
d	BOLT, LAG, 1/2" x 4"	1-325-145	2	4	
e	WASHER, SQUARE, CURVED, 4"	1-325-780	1	-	
f	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	1	1	

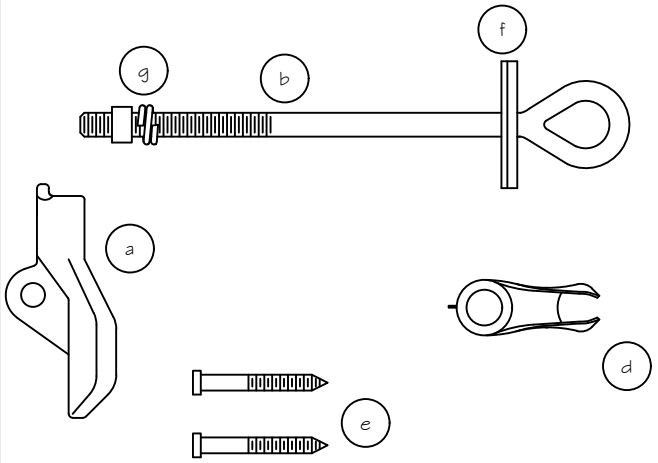
GUY ATTACHMENT 20,000 # CLASS DIAGONAL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

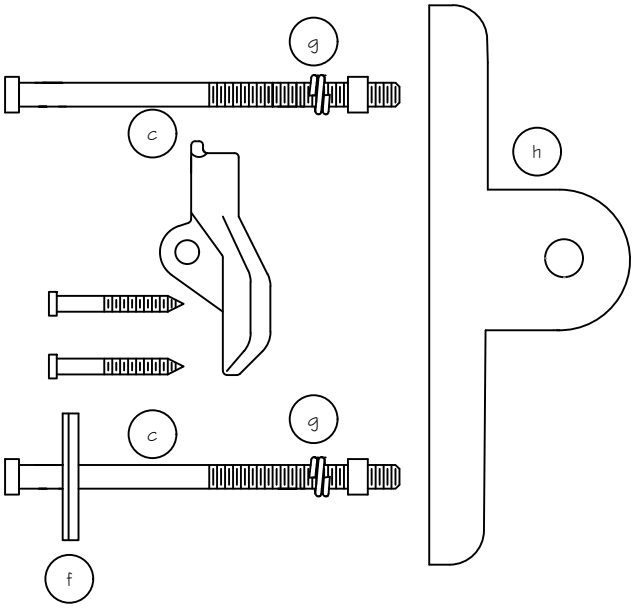
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: JULY 10, 2006

ASSEMBLY ID.

GA20D
GA20S



GA20TB



GA20T

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GA20TB QUANTITY	GA20T QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 3/4"	1-010-885	1	1	
b	BOLT, OVAL EYE, 3/4" x 14"	1-325-096	1	-	
c	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	-	2	
d	CLEVIS, THIMBLE TYPE	1-055-040	1	-	
e	SCREW, LAG, 1/2" x 4"	1-325-145	2	2	
f	WASHER, SQUARE, CURVED, 4"	1-325-780	1	1	
g	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	1	2	
h	PLATE, POLE, 12"	1-210-080	-	1	

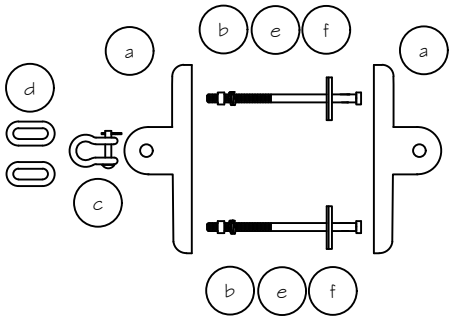
GUY ATTACHMENT 20,000 # CLASS TRANSITIONAL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

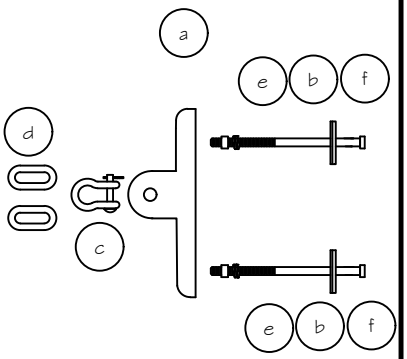
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: AUGUST 10, 2006

ASSEMBLY ID.

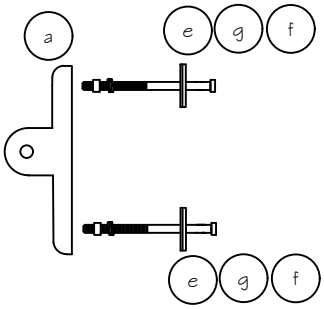
GA20TB
GA20T



GA20X



GA20HD



GA20H

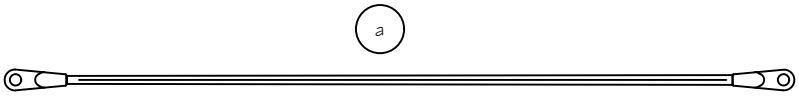
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GA20X	GA20HD	GA20H
			QUANTITY	QUANTITY	QUANTITY
a	PLATE, POLE, 12"	1-210-080	2	1	1
b	BOLT, MACHINE, 3/4" x 14", w/NUT	1-325-215	2	2	-
c	ANCHOR, SHACKLES	1-010-840	1	1	-
d	LINK, FORGED CHAIN, 5/8"	1-160-127	2	2	-
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-745	2	2	2
f	WASHER, SQUARE, CURVED, 4"	1-325-734	2	2	2
g	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	-	2

GUY ATTACHMENT 20,000 # CLASS HORIZONTAL

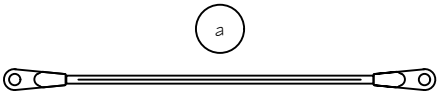
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: JULY 10, 2006

ASSEMBLY ID.
GA20X
GA20HD
GA20H



IGUY60



IGUY24

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IGUY24	IGUY60	
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, FIBERGLASS GUY STRAIN, 24"	1-160-115	1	-	
a	INSULATOR, DISTRIBUTION GUY STRAIN, 60"	1-160-117	-	1	

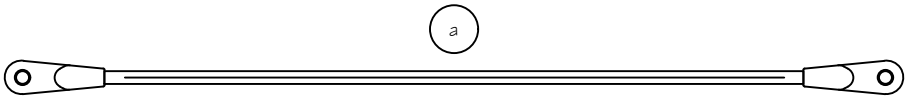
INSULATOR, DISTRIBUTION
FIBERGLASS, GUY STRAIN
24" & 60"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

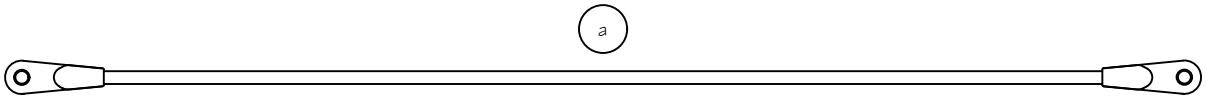
DRAWN BY: S. COLLINS	DATE: JUNE 14, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

IGUY24
IGUY60



IGUY54



IGUY78

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	IGUY54	IGUY78	
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, FIBERGLASS GUY STRAIN, 54"	1-160-122	1	-	
a	INSULATOR, FIBERGLASS GUY STRAIN, 78"	1-160-123	-	1	

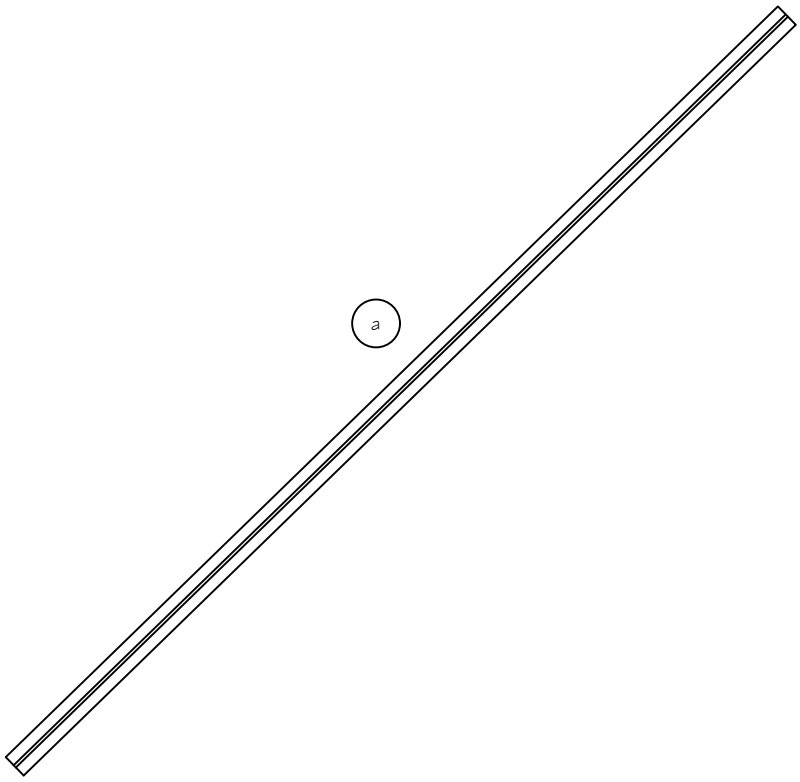
INSULATOR, TRANSMISSION
FIBERGLASS, GUY STRAIN
54" & 78"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 14, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

IGUY54
IGUY78



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GUYMARKER-Y		
			QUANTITY	QUANTITY	QUANTITY
a	MARKER, YELLOW PLASTIC GUY	1-010-870	1		

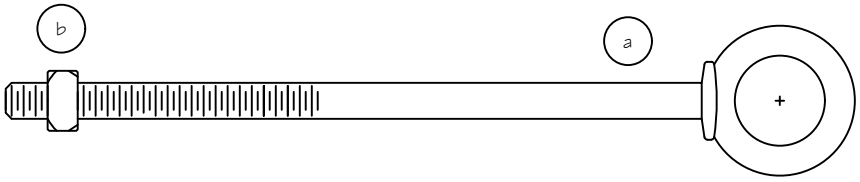
YELLOW
DOWN GUY MARKER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: FEBRUARY 12, 2009
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GUYMARKER-Y



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SHLDRBOLT QUANTITY	QUANTITY	QUANTITY
a	BOLT, SHOULDER, EYE, 3/4" x 14" w/NUT	1-325-305	1		

SHOULDER EYEBOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JANUARY 22, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SHLDRBOLT

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	6" SCREW ANCHOR		
ANC6S	ANCHOR, 6" SCREW	1010040	1
	10" SCREW ANCHOR		
ANC10S	ANCHOR, 10" SCREW	1010050	1
	SINGLE HELIX, 12" POWER ANCHOR		
ANC15SH	ANCHOR, SINGLE HELIX, 1.5" SHAFT	1010055	1
	DOUBLE HELIX POWER ANCHOR w/42" EXTENSION		
ANC15DHS	ANCHOR, DOUBLE HELIX, 1.5" SHAFT PISA	1010060	1
	EXTENSION, PISA, 1.5' x 42"	1010070	1
	ADAPTER, TRIPLE-EYE for PISA	1010080	1
	DOUBLE HELIX POWER ANCHOR w/84" EXTENSION		
ANC15DHL	ANCHOR, DOUBLE HELIX, 1.5" SHAFT PISA	1010060	1
	EXTENSION, PISA, 1.5' x 84"	1010072	1
	ADAPTER, TRIPLE-EYE for PISA	1010080	1
	TRIPLE HELIX POWER ANCHOR w/42" EXTENSION		
ANC15THS	ANCHOR, TRIPLE HELIX, 1.5" SHAFT PISA	1010065	1
	EXTENSION, PISA, 1.5' x 42"	1010070	1
	ADAPTER, TRIPLE-EYE for PISA	1010080	1
	TRIPLE HELIX POWER ANCHOR w/84" EXTENSION		
ANC15THL	ANCHOR, DOUBLE HELIX, 1.5" SHAFT PISA	1010065	1
	EXTENSION, PISA, 1.5' x 84"	1010072	1
	ADAPTER, TRIPLE-EYE for PISA	1010080	1

Public Works Commission
Fayetteville, NC

Electric Systems Engineering

ANCHORS

Compatible Unit ID.

ANCHORS
PAGE 1

DRAWN BY: WRW3	DATE: July 08, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	REVISED: n/a

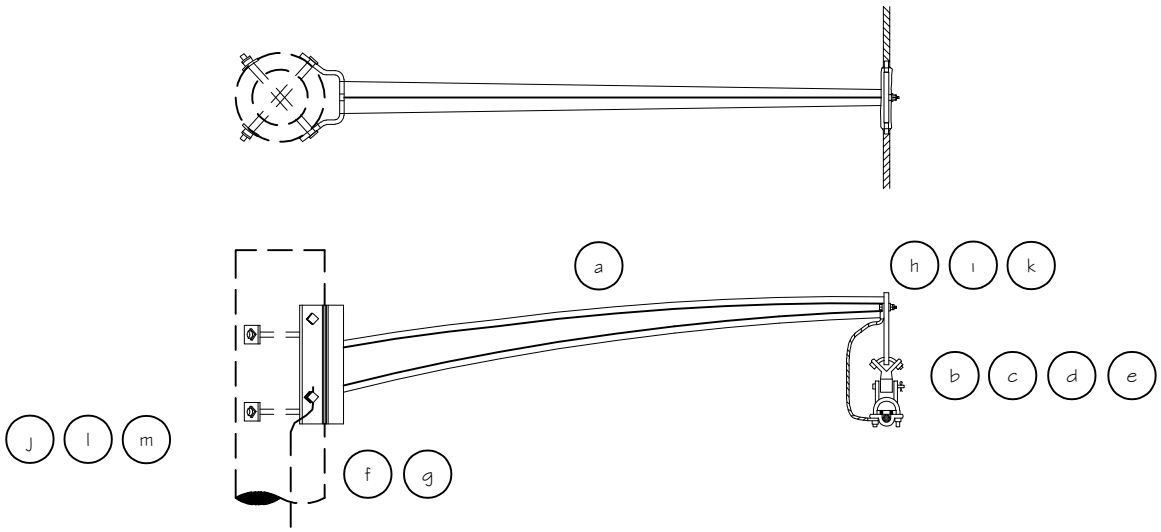
File Name: Anchorspg1

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	42" PISA ANCHOR EXTENSION		
ANC15XTS	EXTENSION, PISA, 42"	1010070	1
	84" PISA ANCHOR EXTENSION		
ANC15XTL	EXTENSION, PISA, 84"	1010072	1
	SINGLE HELIX PISA ANCHOR EXTENSION		
ANC15XTH	EXTENSION, SINGLE HELIX ANCHOR, 1.5" SQUARE SHAFT	1010074	1
	SCREW ANCHOR EXTENSION, 1 1/4"		
ANC125XT	ANCHOR ROD, EXTENSION	1010810	1

REMOVAL ONLY

Public Works Commission Fayetteville, NC	Electric Systems Engineering ANCHOR EXTENSIONS	Compatible Unit ID. ANCHORS PAGE 2
DRAWN BY: WRW3	DATE: July 08, 2009	
CHECKED BY: WRW3	SCALE: NONE	
APPROVED BY: WRW3	REVISED: n/a	File Name: Anchorspg2

POLE LINE HARDWARE



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTDAVIT		
			QUANTITY	QUANTITY	QUANTITY
a	ARM, STEEL, DAVIT, 6' X 2'	1-100-220	1		
b	CLAMP, AL, SUSPENSION, 0.5" X 1.0"	1-050-155	1		
c	RODS, ARMOR, 7 No. 6 AW	1-255-037	1		
d	Y-CLEVIS EYE, 3/4, 30,000#	1-055-080	1		
e	STRAP, FLEXIBLE, GROUND, 18"	1-075-484	1		
f	CLAMP, GROUNDING, 3/4"	1-050-073	1		
g	BOLT, MACHINE, 3/4" X 16"	1-325-220	4		
h	BOLT, MACHINE, GALV., 1/2" X 2 1/2"	1-325-156	1		
i	WASHER, FLAT, ROUND, 1/2"	1-325-715	1		
j	WASHER, SQUARE/CURVED, 4"	1-325-780	4		
k	NUT, SPRING-TYPE, LOCK, 1/2"	1-325-572	1		
l	NUT, MF SQAURE LOCK, 3/4"	1-325-578	4		
m	WASHER, SPRING, LOCK, 3/4"	1-325-732	4		

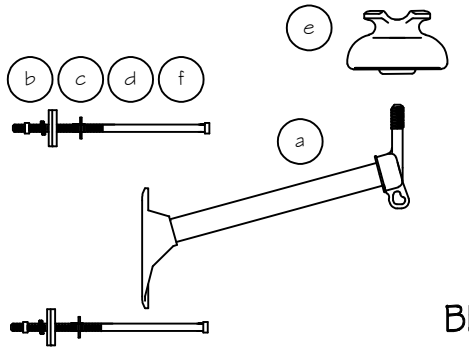
230 KV TRANSMISSION OHGW BRACKET ANGLE STRUCTURES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

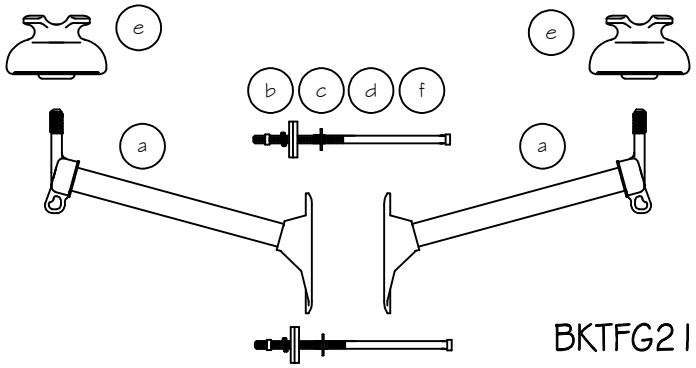
DRAWN BY: J. LOWERY	DATE: JUNE 23, 2006
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

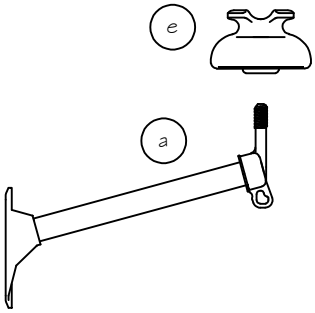
BKTDAVIT



BKTFG021



BKTFG21A



BKTFG21B

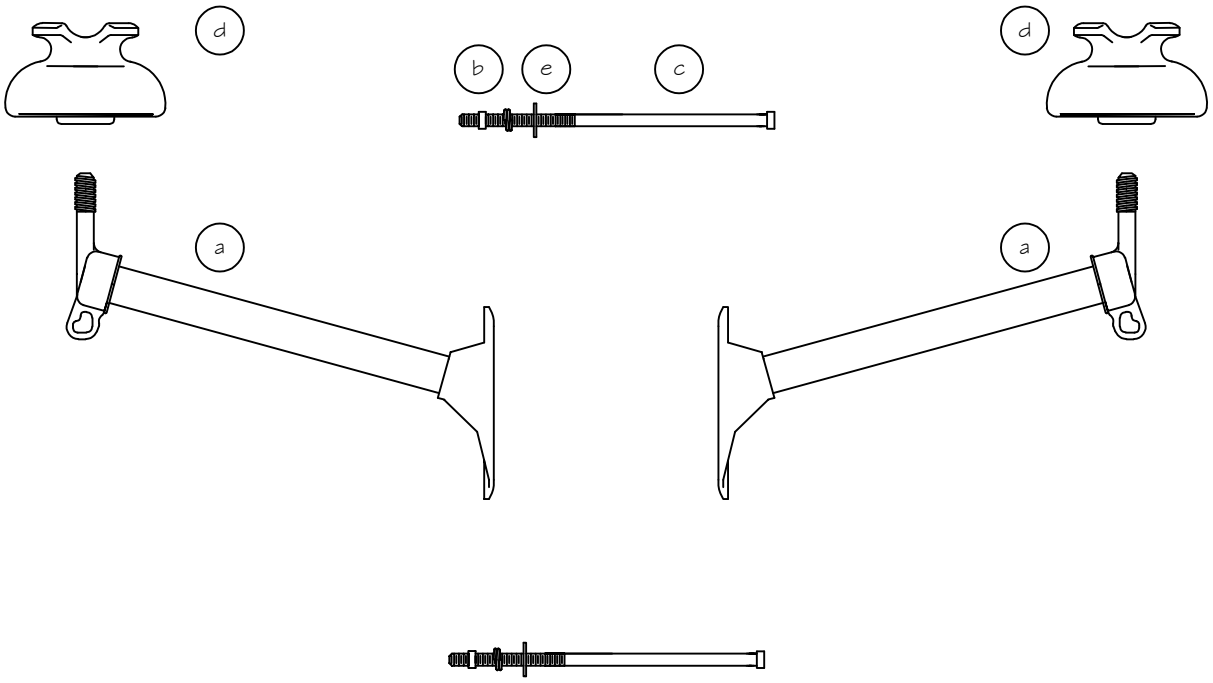
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTFG021	BKTFG21A	BKTFG21B
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, FIBERGLASS 21"	1-025-255	1	2	1
b	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2	2	-
c	BOLT, MACHINE 5/8" x 16"	1-325-180	2	2	-
d	WASHER, SQUARE, CURVED 3"	1-325-760	4	-	-
e	INSULATOR, PIN TYPE, ANSI 55-6	1-160-065	1	2	1
f	WASHER, FLAT ROUND, 5/8"	1-325-720	2	4	-

BRACKETS, FIBERGLASS 21"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

ASSEMBLY ID.
BKTFG021
BKTFG21A
BKTFG21B



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTFG21A QUANTITY	QUANTITY	QUANTITY
a	BRACKET, FIBERGLASS 21"	1-025-255	2		
b	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2		
c	BOLT, MACHINE 5/8" x 16"	1-325-190	2		
d	INSULATOR, PIN TYPE, ANSI 55-6	1-160-065	2		
e	WASHER, FLAT ROUND, 5/8"	1-325-720	4		

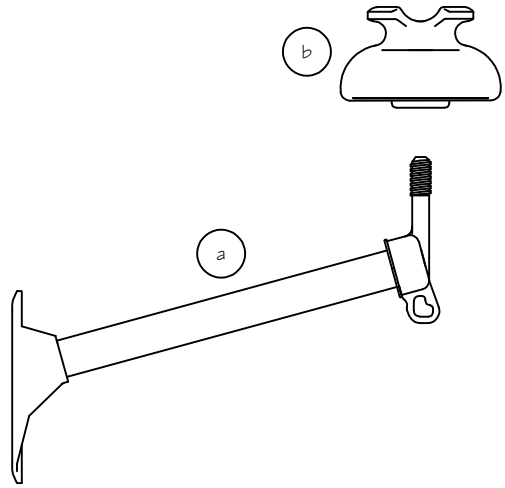
BRACKETS, FIBERGLASS 21" w/55-6 INSULATORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BKTFG21A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTFG21B		
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, FIBERGLASS 21"	1-025-255	1		
b	INSULATOR, PIN TYPE, ANSI 55-6	1-160-065	1		

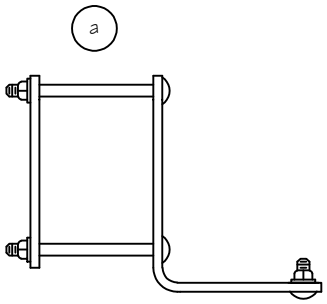
BRACKETS, FIBERGLASS 21" w/55-6 INSULATORS (WITHOUT MOUNITNG BOLTS)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

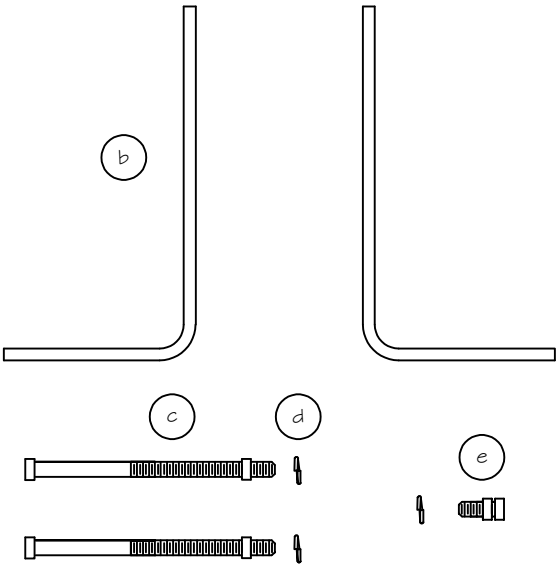
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BKTFG21B



BKTXA



BKTXAL

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTXA QUANTITY	BKTXAL QUANTITY	QUANTITY
a	BRACKET, NEMA CROSSARM	1-025-310	1	-	
b	BRACKET, 15" x 9", "L"	1-025-313	-	2	
c	BOLT, MACHINE, 5/8" x 10"	1-325-175	-	2	
d	WASHER, SPRING LOCK, 5/8"	1-325-740	-	3	
e	BOLT, MACHINE, 5/8" x 1.5"	1-325-162	-	1	

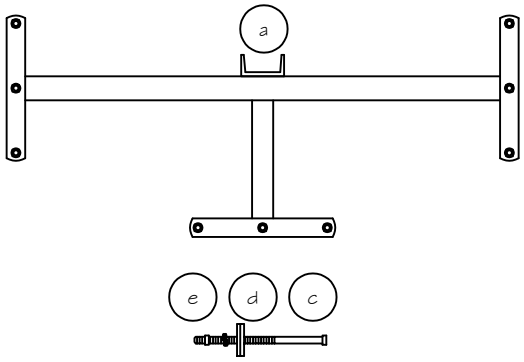
EQUIPMENT BRACKETS FOR CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

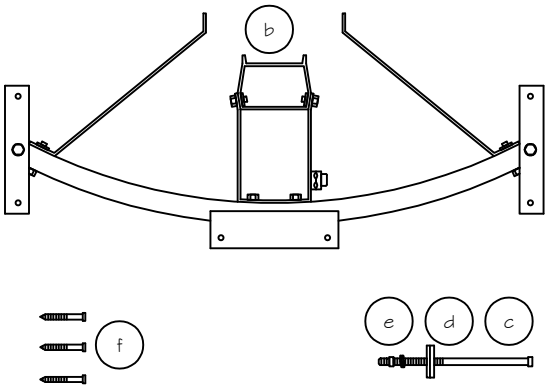
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

ASSEMBLY ID.

BKTXA
BKTXAL



BKTCOLA3



BKTALUM3

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTCOLA3 QUANTITY	BKTALUM3 QUANTITY	QUANTITY
a	BRACKET, CUTOUT/ARRESTER, 3 PHASE	1-170-006	1	-	
b	BRACKET, CUTOUT / ARRESTER, 3 PH, CURVED SUPPORT	1-170-003	-	1	
c	BOLT, MACHINE, 5/8" x 14", w/NUT	1-325-185	2	1	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	1	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	1	
f	SCREW, LAG, 1/2" x 4"	1-325-145	-	3	

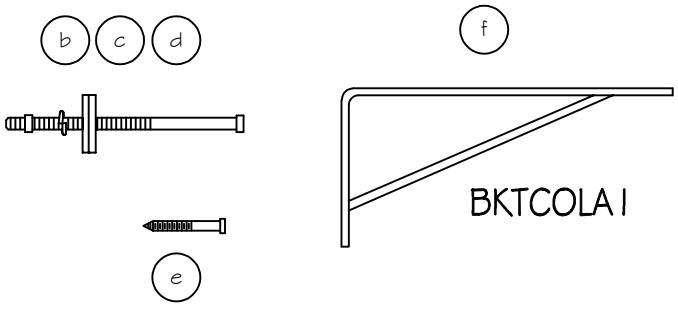
3 PHASE BRACKETS FOR ARRESTERS & CUTOUTS

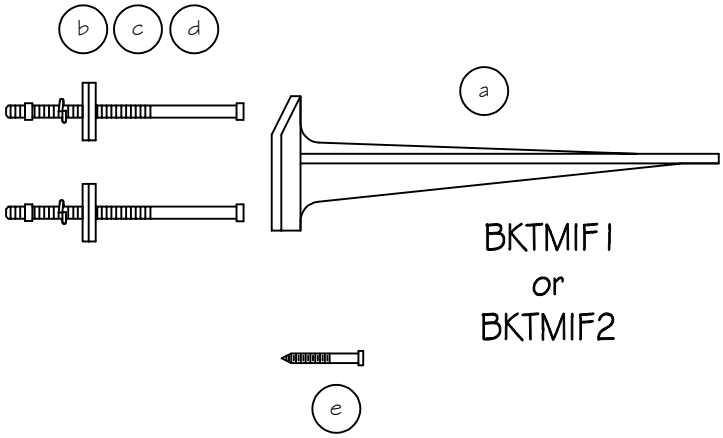
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

ASSEMBLY ID.

BKTCOLA3
BKTALUM3





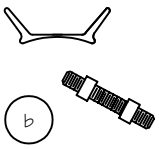
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTMIF1 QUANTITY	BKTMIF2 QUANTITY	BKTCOLA1 QUANTITY
a	BRACKET, MALLEABLE IRON FORGED	1-025-160	1	1	-
b	BOLT, MACHINE, 5/8" x 10" w/NUT	1-325-175	1	2	1
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1	2	1
d	WASHER, LOCK, 5/8"	1-325-740	1	2	1
e	SCREW, LAG, 1/2" x 4"	1-325-145	1	-	1
f	BRACKET, CUTOUT/ARRESTER 1-PHASE	1-170-002	-	-	1

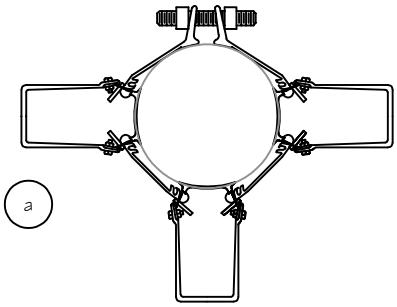
BRACKETS
M.I.F. and CO/LA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

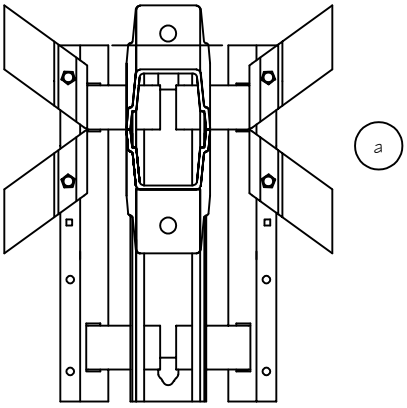
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
BKTMIF1
BKTMIF2
BKTCOLA1









ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CLSTBKTS QUANTITY	CLSTBKTL QUANTITY	QUANTITY
a	BRACKET, CLUSTER MOUNT, WING TYPE	1-025-015	1	1	
b	PLATE, CLUSTER BRACKET, EXTENSION	1-025-022	-	2	
c	BOLT, LAG, 1/2" x 4"	1-325-145	2	2	

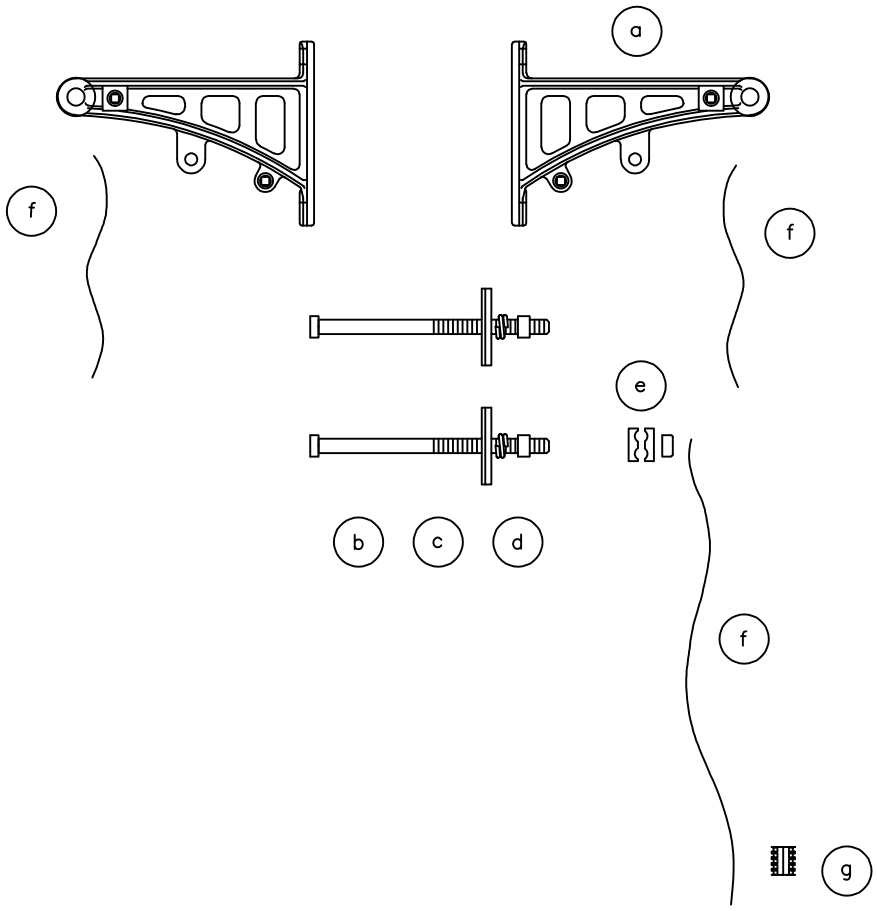
POLE- TYPE TRANSFORMER CLUSTER MOUNTING BRACKET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: Sept. 11, 2014

ASSEMBLY ID.

CLSTBKTS
CLSTBKTL



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTSTAT1	BKTSTAT2	
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, STATIC OFFSET, 12"	1-025-300	1	2	
b	BOLT, MACHINE, 3/4" x 12" w/ NUT	1-325-210	2	2	
c	WASHER, SQUARE, CURVED, 4"	1-325-780	2	-	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
e	CLAMP, GROUNDING, 3/4"	1-050-069	1	-	
f	CONDUCTOR, #2 SOFT CU.	1-065-025	4'	4'	
g	CONNECTOR, PRL. GRVE., COMP. #2 - #2 CU.	1-075-314	1	1	

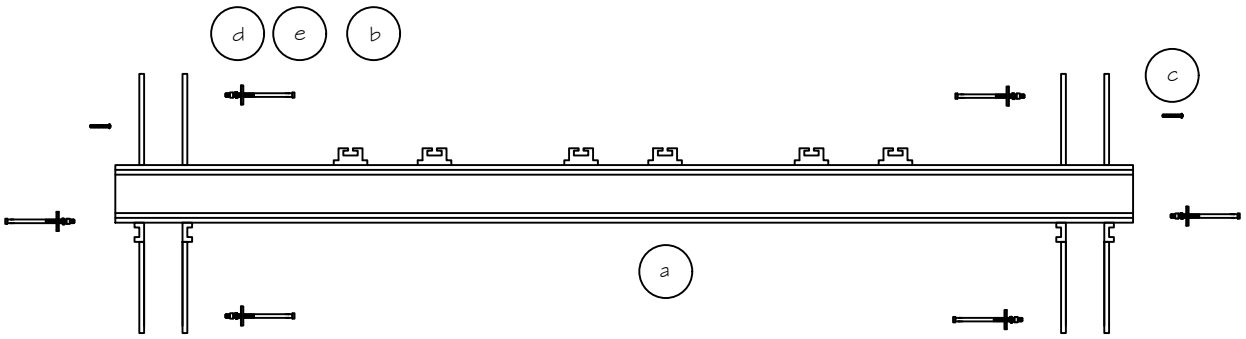
OFFSET BRACKET FOR STATIC WIRE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BKTSTAT1
BKTSTAT2



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PLAT16 QUANTITY	QUANTITY	QUANTITY
a	PLATFORM, 16', ALUMINUM	1-300-344	1		
b	BOLT, MACHINE, 3/4" x 14"	1-325-215	6		
c	SCREW, LAG, 1/2" x 4"	1-325-145	2		
d	WASHER, SQUARE, CURVED, 4"	1-325-780	12		
e	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	6		

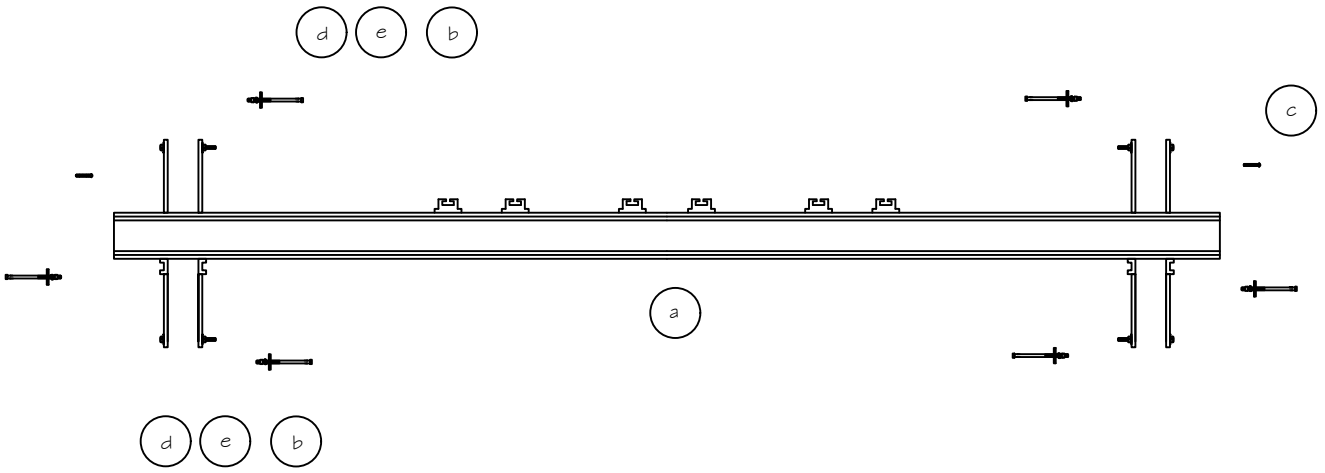
ALUMINUM, PLATFORM 16' HEAVY-DUTY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PLAT16



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PLAT22 QUANTITY	QUANTITY	QUANTITY
a	PLATFORM, 22", ALUMINUM	1-300-346	1		
b	BOLT, MACHINE, 3/4" x 14"	1-325-215	6		
c	SCREW, LAG, 1/2" x 4"	1-325-145	2		
d	WASHER, SQUARE, CURVED, 4"	1-325-780	12		
e	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	6		

ALUMINUM, PLATFORM 22' HEAVY-DUTY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PLAT22

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	FIBERGLASS CROSSARMS, 4'		
XAF4	FIBERGLASS ASSEMBLY, DEADEND	1-105-100	1
	BOLT, MACHINE, 5/8" x 12", w/NUTS	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	FIBERGLASS CROSSARMS, 10'		
XAF10	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	CROSSARM, 10' FIBERGLASS REINFORCED COMPOSITE	1-100-017	1
	BOLT, MACHINE, 5/8" x 16", w/NUTS	1-325-190	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	2

FOR REMOVAL ONLY

4 FOOT & 10 FOOT FIBERGLASS CROSSARMS	PUBLIC WORKS COMMISSION OF THE CITY OF FAYETTEVILLE , N.C.		ASSEMBLY ID. XARMS FBG SHT1
	DRAWN BY: J. LOWERY	DATE: JULY 3, 2008	
	CHECKED BY:	SCALE: NONE	
	APPROVED BY:		

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	60" STEEL CROSSARM		
XAM5	CROSSARM, 60", STEEL	1-100-023	1
	BOLT, MACHINE, 5/8" x 12", w/NUTS	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	10' STEEL CROSSARM (66 KV CONSTRUCTION ONLY)		
XAM10	CROSSARM, 10', STEEL	1-100-021	1
	BOLT, MACHINE, 3/4" X 18", w/NUT	1-325-225	1
	BOLT, MACHINE, 3/4" X 24", w/NUT	1-325-217	1
	WASHER, SQUARE, CURVED, 4"	1-325-780	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2
	CLAMP, GROUNDING, 3/4"	1-050-069	1
	CONDUCTOR, #2 SOFT DRAWN, TINNED	1-065-027	5'
	CONNECTOR, PRL. GRVE. COMP. #2-#2 CU	1-075-314	1
	12' STEEL UNDERBUILD ARM		
XAM12	CROSSARM, 12', STEEL	1-100-025	1
	BOLT, MACHINE, 3/4" x 18", w/NUTS	1-325-225	2
	WASHER, SQUARE, CURVED, 4"	1-325-780	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2
	12' STEEL ARM (DISTRIBUTION CONSTRUCTION ONLY)		
XAM12D	CROSSARM, STEEL DISTRIBUTION, 144"	1-100-025	1
	BOLT, MACHINE, 3/4" x 18", w/NUTS	1-325-225	2
	WASHER, SQUARE, CURVED, 4"	1-325-780	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2
	12' STEEL CROSSARM (TRANSMISSION CONSTRUCTION ONLY)		
XAM12T	CROSSARM, 12', STEEL	1-100-022	1
	BOLT, MACHINE, 3/4" x 18", w/NUT	1-325-225	1
	BOLT, MACHINE, 3/4" x 24", w/NUT	1-325-217	1
	WASHER, SQUARE, CURVED, 4"	1-325-780	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2

60", 88", 12' & 22'
STEEL CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XARMS
STEEL
SHT1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	18' STEEL CROSSARM		
XAM18	CROSSARM, 18', STEEL	1-100-027	1
	BOLT, MACHINE, 3/4" x 24", w/NUTS	1-325-217	4
	WASHER, SQUARE, FLAT, 4"	1-325-755	8
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	4
	22' STEEL CROSSARM		
XAM22	CROSSARM, 22', STEEL	1-100-028	1
	BOLT, MACHINE, 3/4" x 24", w/NUTS	1-325-217	4
	WASHER, SQUARE, FLAT, 4"	1-325-755	8
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	4
	88" STEEL DEADEND CROSSARM FOR DISTRIBUTION		
XAM88	CROSSARM, STEEL DEAD-END, 88"	1-100-024	1
	BOLT, MACHINE, 3/4" X 18", w/NUT	1-325-225	1
	BOLT, MACHINE, 3/4" X 12", w/NUTS	1-325-210	2
	BOLT, MACHINE, 5/8" X 7" w/ NUTS	1-325-165	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	4
	WASHER, SQUARE, CURVED, 4"	1-325-780	3
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 3/4"	1-325-734	3
	WASHER, FLAT, ROUND, 3/4"	1-325-725	6
	DOUBLE 10' STEEL CROSSARM (66 KV CONSTRUCTION ONLY)		
XAMD10	CROSSARM, 10', STEEL	1-100-021	2
	BOLT, MACHINE, 3/4" x 24", w/NUT	1-325-217	1
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	7
	CLAMP, GROUNDING, 3/4"	1-050-069	1
	CONNECTOR, PRL. GRVE. COMP., #2-#2CU	1-075-314	1
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	CONDUCTOR, #2 SOFT DRAWN, TINNED	1-065-027	5'
	BOLT, DOUBLE ARMING, 3/4" X 30", w/NUTS	1-325-061	3
	WASHER, ROUND, 3/4"	1-325-725	10

60", 88", 12', 18' & 22'
STEEL CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: MAY 4, 2017

ASSEMBLY ID.
XARMS
STEEL
SHT2

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	DOUBLE 12' STEEL UNDERBUILD ARM		
XAMD12	CROSSARM, 12', STEEL	1-100-025	2
	BOLT, MACHINE, 3/4" X 18", w/NUTS	1-325-225	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	6
	CLAMP, GROUNDING, 3/4"	1-050-073	1
	CONNECTOR, PRL. GRVE. COMP., #2-#2CU	1-075-314	1
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	CONDUCTOR, #2 SOFT DRAWN, TINNED	1-065-027	5'
	BOLT, DOUBLE ARMING, 3/4" X 30", w/NUTS	1-325-061	2
	WASHER, ROUND, 3/4"	1-325-725	8
	DOUBLE 12' STEEL UNDERBUILD ARM (DISTRIBUTION CONST.ONLY)		
XAMD12D	CROSSARM, STEEL DISTRIBUTION, 144"	1-100-025	2
	BOLT, MACHINE, 3/4" X 18", w/NUTS	1-325-225	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	6
	CLAMP, GROUNDING, 3/4"	1-050-073	1
	CONNECTOR, PRL. GRVE. COMP., #2-#2CU	1-075-314	1
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	CONDUCTOR, #2 SOFT DRAWN, TINNED	1-065-027	5'
	BOLT, DOUBLE ARMING, 3/4" X 30", w/NUTS	1-325-061	2
	WASHER, ROUND, 3/4"	1-325-725	8

60", 88", 12' & 22'
STEEL CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XARMS
STEEL
SHT3

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	SINGLE 8' ARM w/SHORT BRACES		
XAS8S	CROSSARM, 8' WOOD	1-100-010	1
	BRACE, CROSSARM, WOOD, 38" X 18"	1-100-530	1 pr.
	BOLT, MACHINE, 5/8" X 16", w/NUT	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	1
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	BOLT, CARRIAGE, 3/8" X 4 1/2", w/NUT	1-325-005	2
	SCREW, LAG, 1/2" X 4"	1-325-145	1
	WASHER, FLAT, ROUND, 3/8"	1-325-710	2
	WASHER, SPLIT RING, LOCK 3/8"	1-325-730	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1
	SINGLE 8' ARM w/LONG BRACES		
XAS8L	CROSSARM, 8' WOOD	1-100-010	1
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	1 pr.
	BOLT, MACHINE, 5/8" X 16", w/NUT	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	BOLT, MACHINE, 1/2" X 6", w/NUT	1-325-155	2
	WASHER, FLAT, ROUND, 1/2"	1-325-715	2
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	2
	BOLT, MACHINE, 5/8" X 12", w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1

8 FOOT
WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XARMS
WOOD
SHT 1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	SINGLE 8' ALLEY ARM		
XAS8A	CROSSARM, 8' WOOD	1-100-010	1
	BRACE, ALLEY ARM, 7' WOOD	1-100-510	1
	BOLT, MACHINE, GALV., 5/8" X 16", w/NUT	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	BOLT, MACHINE, 5/8" X 12", w/NUT	1-325-180	1
	BOLT, MACHINE, 1/2" X 6", w/NUT	1-325-155	1
	WASHER, FLAT, ROUND, 1/2"	1-325-715	1
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	1
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1
	DOUBLE 8' ARM w/SHORT BRACES		
XAD8S	CROSSARM, 8' WOOD	1-100-010	2
	BRACE, CROSSARM, WOOD, 38" X 18"	1-100-530	2 pr.
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	1-325-025	3
	WASHER, LOCK, 5/8"	1-325-740	6
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	10
	BOLT, MACHINE, 3/8" X 4 1/2", w/NUT	1-325-005	4
	SCREW, LAG, 1/2" X 4"	1-325-145	2
	WASHER, FLAT, ROUND, 3/8"	1-325-710	4
	WASHER, SPLIT RING, LOCK 3/8"	1-325-730	4

8 FOOT WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
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ASSEMBLY ID.
XARMS
WOOD
SHT2

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	SINGLE 8' ARM w/SHORT BRACES		
XAS8S	CROSSARM, 8' WOOD	1-100-010	1
	BRACE, CROSSARM, WOOD, 38" X 18"	1-100-530	1 pr.
	BOLT, MACHINE, 5/8" X 16", w/NUTS	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	1
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	BOLT, CARRIAGE, 3/8" X 4 1/2", w/NUTS	1-325-005	2
	SCREW, LAG, 1/2" X 4"	1-325-145	1
	WASHER, FLAT, ROUND, 3/8"	1-325-710	2
	WASHER, SPLIT RING, LOCK 3/8"	1-325-730	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1
	SINGLE 8" ARM w/LONG BRACES		
XAS8L	CROSSARM, 8' WOOD	1-100-010	2
	BRACE, ALLEY ARM, 7' WOOD	1-100-510	2
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUTS	1-325-025	3
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUTS	1-325-020	1
	BOLT, MACHINE, 1/2" X 6", w/NUTS	1-325-155	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	10
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	8
	WASHER, FLAT, ROUND, 1/2"	1-325-715	2
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	10

8 FOOT
WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
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APPROVED BY:	

ASSEMBLY ID.
XARMS
WOOD
SHT3

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	TRIPLE 8' ARM w/LONG BRACES		
XAT8L	CROSSARM, 8' WOOD	1-100-010	3
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	2 pr.
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUTS	1-325-025	3
	WASHER, LOCK, 5/8"	1-325-740	8
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	10
	BOLT, MACHINE, 1/2" X 6", w/NUTS	1-325-155	4
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1-325-020	1
	WASHER, FLAT, ROUND, 1/2"	1-325-715	4
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	4
	WASHER, FLAT, ROUND, 5/8"	1-325-720	10

8 FOOT
WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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APPROVED BY:	

ASSEMBLY ID.
XARMS
WOOD
SHT4

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	SINGLE 9' ARM w/LONG BRACES		
XAS9L	CROSSARM, 9' WOOD	1-100-020	1
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	1 pr.
	BOLT, MACHINE, 5/8" X 16", w/NUT	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	BOLT, MACHINE, 1/2" X 6", w/NUT	1-325-155	2
	BOLT, MACHINE, 5/8" X 12", w/NUT	1-325-180	1
	WASHER, FLAT, ROUND, 1/2"	1-325-715	2
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	2
	WASHER, SQUARE, CURVED, GALV., 3"	1-325-760	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1
	DOUBLE 9' ALLEY ARM		
XAS9A	CROSSARM, 9' WOOD	1-100-020	1
	BRACE, ALLEY ARM, 7' WOOD	1-100-510	1
	BOLT, MACHINE, GALV., 5/8" X 16", w/NUT	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	BOLT, MACHINE, 5/8" X 12", w/NUT	1-325-180	1
	BOLT, MACHINE, 1/2" X 6", w/NUT	1-325-155	1
	WASHER, FLAT, ROUND, 1/2"	1-325-715	1
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	1
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1

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9 FOOT WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
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ASSEMBLY ID.
XARMS
WOOD
SHT5

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	DOUBLE 9' ARM w/LONG BRACES		
XAD9L	CROSSARM, 9' WOOD	1-100-020	2
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	2 pr.
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUTS	1-325-025	3
	WASHER, LOCK, 5/8"	1-325-740	8
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	10
	BOLT, MACHINE, 1/2" X 6", w/NUTS	1-325-155	4
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1-325-020	1
	WASHER, FLAT, ROUND, 1/2"	1-325-715	4
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	4
	WASHER, FLAT, ROUND, 5/8"	1-325-720	10
	DOUBLE 9' ALLEY ARM		
XAD9A	CROSSARM, 9' WOOD	1-100-020	2
	BRACE, ALLEY ARM, 7' WOOD	1-100-510	2
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUTS	1-325-025	3
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUTS	1-325-020	1
	BOLT, MACHINE, 1/2" X 5", w/NUTS	1-325-155	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	10
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	8
	WASHER, FLAT, ROUND, 1/2"	1-325-715	2
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	10

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9 FOOT
WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XARMS
WOOD
SHT6

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	TRIPLE 9' ARM w/LONG BRACES		
XAT9L	CROSSARM, 9' WOOD	1-100-020	3
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	2 pr.
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUTS	1-325-025	5
	WASHER, LOCK, 5/8"	1-325-740	10
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	18
	BOLT, MACHINE, 1/2" X 6", w/NUTS	1-325-155	2
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1-325-020	1
	WASHER, FLAT, ROUND, 1/2"	1-325-715	4
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	4
	WASHER, FLAT, ROUND, 5/8"	1-325-720	18

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	SINGLE 10' ARM w/LONG BRACES		
XAS10L	CROSSARM, 10' WOOD	1-100-015	1
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	1 pr.
	BOLT, MACHINE, 5/8" X 16", w/NUT	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	BOLT, MACHINE, 1/2" X 6", w/NUT	1-325-155	2
	WASHER, FLAT, ROUND, 1/2"	1-325-715	2
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	2
	BOLT, MACHINE, 5/8" X 12", w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, GALV., 3"	1-325-760	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1
	SINGLE 10' ARM w/ALLEY ARM BRACE		
XAS10A	CROSSARM, 10' WOOD	1-100-015	1
	BRACE, ALLEY ARM, 7' WOOD	1-100-510	1
	BOLT, MACHINE, GALV., 5/8" X 16", w/NUT	1-325-190	1
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	BOLT, MACHINE, 5/8" X 12", w/NUT	1-325-180	1
	BOLT, MACHINE, 1/2" X 6", w/NUT	1-325-155	1
	WASHER, FLAT, ROUND, 1/2"	1-325-715	1
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	1
	WASHER, FLAT, ROUND, 5/8"	1-325-720	1

10 FOOT WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
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ASSEMBLY ID.
XARMS
WOOD
SHT8

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	DOUBLE 10' ARM w/LONG BRACES FOR POLE TOP EXTENSION		
XAD10LPX	CROSSARM, 10' WOOD	1-100-015	2
	CROSSARM, 12" WOOD	1-100-050	2
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	4
	GAIN, CROSSARM, 4" X 4"	1-100-534	6
	BOLT, MACHINE, 3/4" X 24"	1-325-217	3
	BOLT, MACHINE, 5/8" X10"	1-325-175	8
	BOLT, MACHINE, GALV., 1/2" X 6" w/NUTS	1-325-155	4
	BOLT, DOUBLE ARMING, 3/4" X 22"	1-325-045	2
	BOLT, DOUBLE ARMING, 5/8" X 20"	1-325-025	1
	PIN, CROSSARM SADDLE, 1" X 6"	1-100-547	8
	INSULATOR, PIN-TYPE, ANSI 55-6	1-160-065	6
	INSULATOR, PIN-TYPE, ANSI 55-4	1-160-040	2
	WASHER, SQUARE, FLAT, 4"	1-325-755	10
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	3
	WASHER, SPRING LOCK, 3/4"	1-325-745	4
	WASHER, SPRING, FLAT, 3"	1-325-765	16
	WASHER, SPRING LOCK, 5/8"	1-325-740	8
	WASHER, FLAT, ROUND, 1/2"	1-325-715	4
	WASHER, LOCK, GALV., 1/2"	1-325-735	4
	WASHER, SQUARE, CURVED, 3"	1-325-760	4
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	DOUBLE 10' ARM w/LONG BRACES		
XAD10L	CROSSARM, 10' WOOD	1-100-015	2
	BRACE, CROSSARM, WOOD, 60" X 30"	1-100-532	2 pr.
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUTS	1-325-025	3
	WASHER, LOCK, 5/8"	1-325-740	8
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	10
	BOLT, MACHINE, 1/2" X 6", w/NUTS	1-325-155	4
	WASHER, FLAT, ROUND, 1/2"	1-325-715	4
	WASHER, SPLIT RING, LOCK 1/2"	1-325-735	4
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUTS	1-325-020	1
	WASHER, FLAT, ROUND, 5/8"	1-325-720	10

10 FOOT WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XARMS
WOOD
SHT9

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	DOUBLE 10' ARM w/ALLEY ARM BRACES		
XAD10A	CROSSARM, 10' WOOD	1-100-015	2
	BRACE, ALLEY ARM, 7' WOOD	1-100-510	2
	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUTS	1-325-025	3
	BOLT, DOUBLE ARMING, 5/8" X 18" w/NUTS	1-325-020	1
	BOLT, MACHINE, 1/2" X 6", w/NUTS	1-325-155	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, SQUARE, FLAT, 5/8"	1-325-765	10
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	8
	WASHER, FLAT, ROUND, 1/2"	1-325-715	2
	WASHER, SPLIT RING, LOCK, 1/2"	1-325-735	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	10

10 FOOT
WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
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APPROVED BY:	

ASSEMBLY ID.
XARMS
WOOD
SHT10

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	22' CROSSARM SINGLE w/ALLEY ARM BRACES		
XAS22A	CROSSARM, 22' WOOD	1-100-060	1
	BOLT, MACHINE, 3/4" X 22"	1-325-212	2
	BOLT, MACHINE, 5/8" X 14"	1-325-185	2
	BOLT, MACHINE, 5/8" X 8"	1-325-170	2
	WASHER, SQUARE, FLAT, 4"	1-325-755	2
	WASHER, SQUARE, FLAT, 3"	1-325-765	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, SQUARE, CURVED, 4"	1-325-780	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	4
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2
	BRACE, ALLEY ARM, 7" WOOD	1-310-510	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	2
	22' CROSSARM DOUBLE w/ALLEY ARM BRACES		
XAD22A	CROSSARM, 22' WOOD	1-100-060	2
	BOLT, MACHINE, 3/4" X 28"	1-325-227	2
	BOLT, MACHINE, 5/8" X 14"	1-325-185	2
	BOLT, MACHINE, 5/8" X 8"	1-325-170	4
	WASHER, SQUARE, FLAT, 4"	1-325-755	2
	WASHER, SQUARE, FLAT, 3"	1-325-765	4
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	6
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2
	BRACE, ALLEY ARM, 7" WOOD	1-310-510	4
	WASHER, FLAT, ROUND, 5/8"	1-325-720	4

22 FOOT
WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
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ASSEMBLY ID.
XARMS
WOOD
SHT 1 1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	6" X 8" TRANSMISSION CROSSARMS		
XAS12	CROSSARM, 12' WOOD	1-100-050	1
	BRACE, CROSSARM, WOOD 60" X 30"	1-100-532	1 pr.
	BOLT, MACHINE, 5/8" X 10"	1-325-175	2
	BOLT, MACHINE, 3/4" X 18"	1-325-225	2
	BOLT, MACHINE, 5/8" X 14"	1-325-185	2
	WASHER, SQUARE, FLAT, 4"	1-325-755	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, SPRING LOCK, 5/8"	1-325-740	2
	WASHER, SQUARE, FLAT, 3"	1-325-765	4
	WASHER, SQUARE, CURVED, 4"	1-325-780	4
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	4
	6" X 8" TRANSMISSION CROSSARMS		
XAD12	CROSSARM, 12' WOOD	1-100-050	2
	BRACE, CROSSARM, WOOD 60" X 30"	1-100-532	2 pr.
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUTS	1-325-020	2
	BOLT, MACHINE, 5/8" X 10"	1-325-175	4
	BOLT, DOUBLE ARMING, 3/4" X 24", w/NUTS	1-325-050	2
	WASHER, SQUARE, FLAT, 4"	1-325-755	4
	WASHER, SQUARE, CURVED, 3"	1-325-760	4
	WASHER, SPRING LOCK, 5/8"	1-325-740	4
	WASHER, SQUARE, FLAT, 3"	1-325-765	8
	WASHER, SQUARE, CURVED, 4"	1-325-780	8
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	4
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	4
	WASHER, FLAT, ROUND, 5/8"	1-325-720	8

12 FOOT WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
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APPROVED BY:	

ASSEMBLY ID.
XARMS
WOOD
SHT12

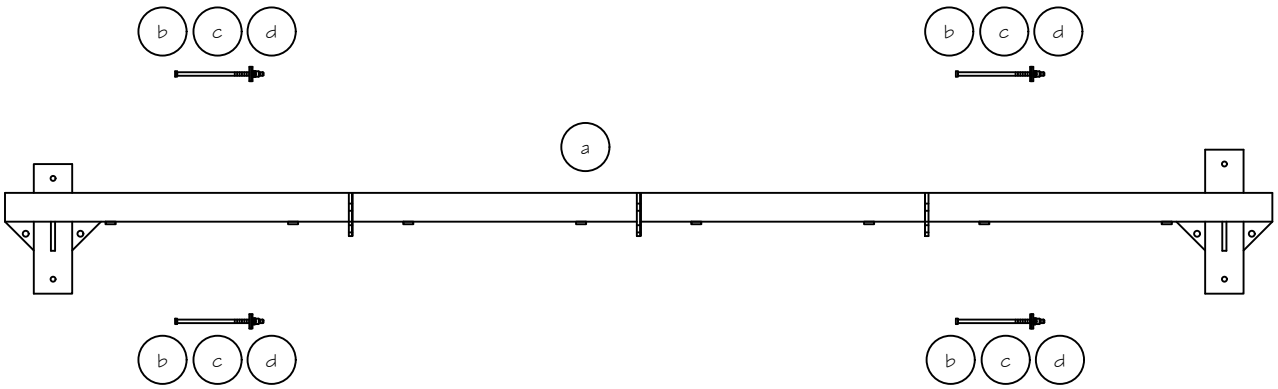
ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	6" X 8" TRANSMISSION CROSSARMS		
XAS22	CROSSARM, 22' WOOD	1-100-060	1
	BRACE, CROSSARM, WOOD 60" X 30"	1-100-532	1 pr.
	BOLT, MACHINE, 5/8" X 10"	1-325-175	2
	BOLT, MACHINE, 3/4" X 18"	1-325-225	2
	BOLT, MACHINE, 5/8" X 14"	1-325-185	2
	WASHER, SQUARE, FLAT, 4"	1-325-755	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, SPRING LOCK, 5/8"	1-325-740	2
	WASHER, SQUARE, FLAT, 3"	1-325-765	4
	WASHER, SQUARE, CURVED, 4"	1-325-780	4
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2
	WASHER, FLAT, ROUND, 5/8"	1-325-720	4
	6" X 8" TRANSMISSION CROSSARMS		
XAD22	CROSSARM, 22' WOOD	1-100-060	2
	BRACE, CROSSARM, WOOD 60" X 30"	1-100-532	2 pr.
	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUTS	1-325-020	2
	BOLT, MACHINE, 5/8" X 10"	1-325-175	4
	BOLT, DOUBLE ARMING, 3/4" X 24", w/NUTS	1-325-050	2
	WASHER, SQUARE, FLAT, 4"	1-325-755	4
	WASHER, SQUARE, CURVED, 3"	1-325-760	4
	WASHER, SPRING LOCK, 5/8"	1-325-740	4
	WASHER, SQUARE, FLAT, 3"	1-325-765	8
	WASHER, SQUARE, CURVED, 4"	1-325-780	8
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	4
	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	4
	WASHER, FLAT, ROUND, 5/8"	1-325-720	8

22 FOOT
WOODEN CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 3, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XARMS
WOOD
SHT13



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	XAM23		
			QUANTITY	QUANTITY	QUANTITY
a	CROSSARM, 23-FOOT, STEEL	1-100-070	1		
b	BOLT, MACHINE, 3/4" x 18", w/NUT	1-325-225	4		
c	WASHER, SQUARE, FLAT, 4"	1-325-755	4		
d	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	4		

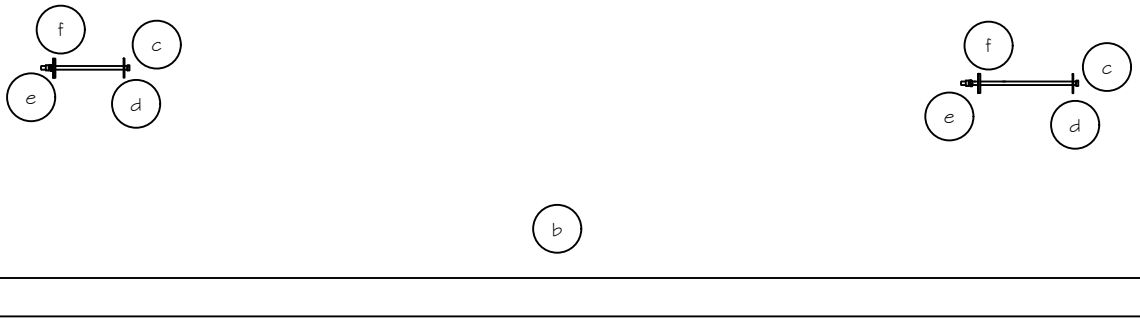
22' STEEL CROSSARM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

XAM22



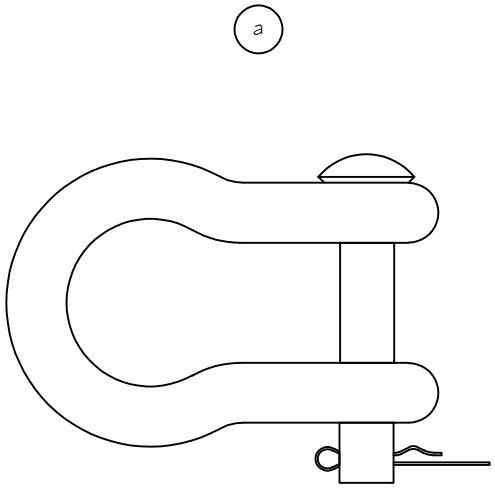
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	TIMBR12	TIMBR22	TIMBRD12	TIMBRD22
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CROSSARM, 12 FOOT, WOOD	1-100-050	1	-	2	-
b	CROSSARM, 22 FOOT, WOOD	1-100-060	-	1	-	2
c	BOLT, MACHINE, 3/4" x 18" w/ NUT	1-325-225	2	2	-	-
c	BOLT, MACHINE, 3/4" x 24" w/ NUT	1-325-217	-	-	2	2
d	WASHER, SQUARE, FLAT, 4"	1-325-755	1	1	2	2
e	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2	2	2	2
f	WASHER, SQUARE, CURVED, 4"	1-325-780	1	1	-	-

6" x 8" WOOD ARMS FOR SUBSTATIONS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
TIMBR12
TIMBR22
TIMBRD12
TIMBRD22



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ASC58	ASC12	ASC34
			QUANTITY	QUANTITY	QUANTITY
a	SHACKLES, ANCHOR, 5/8'	1-010-840	1	-	-
a	SHACKLES, ANCHOR, 1/2"	1-010-845	-	1	-
a	SHACKLES, ANCHOR, 3/4'	1-010-846	-	-	1

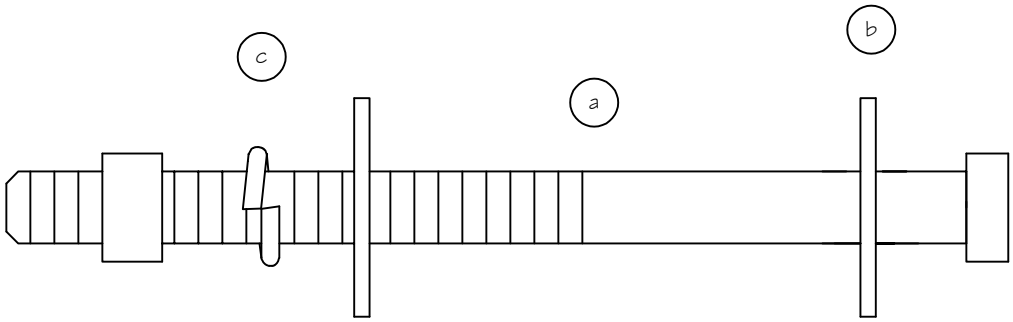
ANCHOR SHACKLE CLEVIS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ASC58
ASC12
ASC34



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ARMBOLT QUANTITY	QUANTITY	QUANTITY
a	BOLT, MACHINE, 3/4" x 10"	1-325-205	1		
b	WASHER, FLAT ROUND, 3/4"	1-325-725	2		
c	WASHER, SPRING LOCK, 3/4"	1-325-745	1		

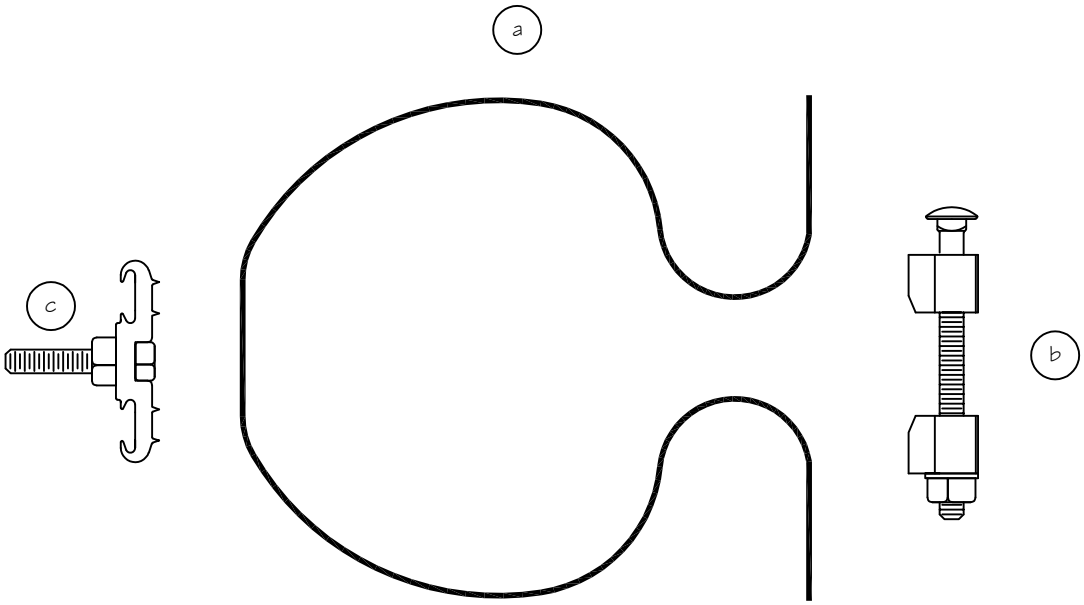
THRU BOLT FOR 6 x 6" STEEL CROSSARMS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ARMBOLT



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BAND1	BAND2B	
			QUANTITY	QUANTITY	QUANTITY
a	BAND, 1.25" x .04", STAINLESS	1-050-310	4'	8'	
b	CLAMP, BOLTED, FOR 1.25" BAND	1-050-300	1	2	
c	BRACKET, BOLT, FOR 1.25" BAND	1-025-275	-	1	

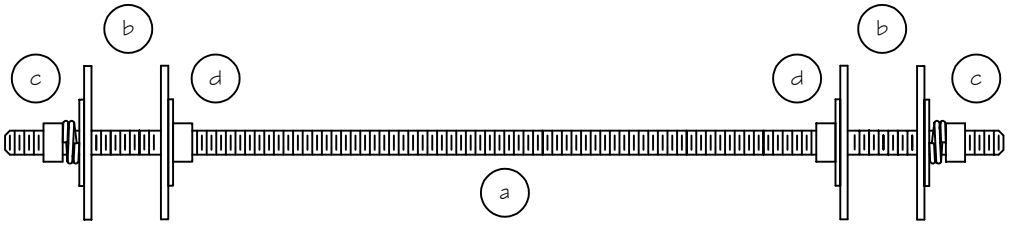
STAINLESS POLE BAND ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BAND1
BAND2B



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BLTDA58	BLTDA34	
			QUANTITY	QUANTITY	QUANTITY
a	BOLT, DOUBLE ARMING, 5/8" x 24"	1-325-035	1	-	
a	BOLT, DOUBLE ARMING, 3/4" x 22"	1-325-045	-	1	
b	WASHER, SQUARE, FLAT, 3"	1-325-765	4	-	
b	WASHER, SQUARE, FLAT, 4"	1-325-755	-	4	
c	WASHER, DOUBLE COIL, SRING LOCK, 5/8"	1-325-733	2	-	
c	WASHER, DOUBLE COIL, SRING LOCK, 3/4"	1-325-734	-	2	
d	WASHER, FLAT, ROUND, 5/8"	1-325-720	4	-	

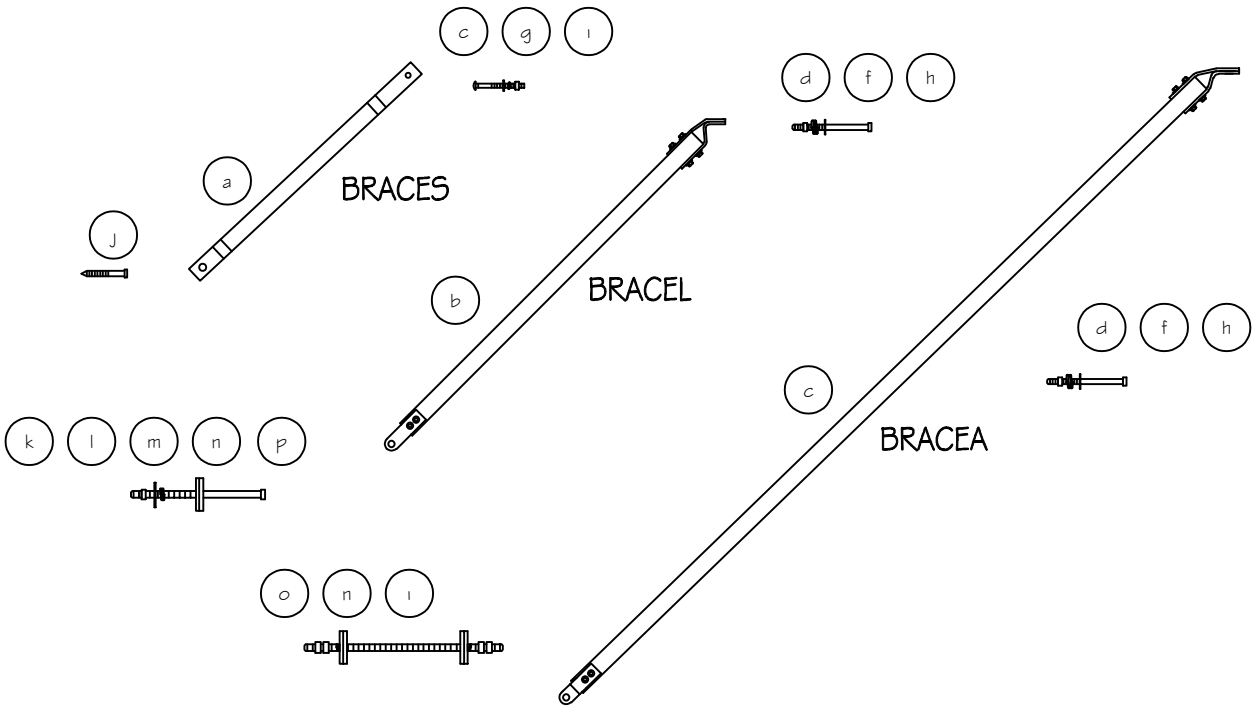
DOUBLE ARMING BOLT
5/8" x 3/4"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BLTDA58
BLTDA34



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BRACES	BRACEL	BRACEA
			QUANTITY	QUANTITY	QUANTITY
a	BRACE, CROSSARM, WOOD 3/8" x 18"	1-100-530	1 pr.	-	-
b	BRACE, CROSSARM, WOOD 60" x 30"	1-100-532	-	1 pr.	-
c	BRACE, ALLEY ARM, 7' WOOD	1-100-510	-	-	2
d	BOLT, MACHINE, 1/2" x 6", w/NUT	1-225-155	-	2	2
e	BOLT, CARRIAGE, 3/8" x 4 1/2 "	1-325-005	-	2	2
f	WASHER, FLAT, ROUND, 1/2"	1-325-715	-	2	2
g	WASHER, FLAT, ROUND, 3/8"	1-325-710	2	-	-
h	WASHER, SPLIT-RING, LOCK, 1/2"	1-325-735	2	-	-
i	WASHER, SPLIT-RING, LOCK, 3/8"	1-325-730	2	-	-
J	SCREW, LAG, 1/2" x 4"	1-325-145	1	-	-
k	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	-	1	-
l	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	-	1	2
m	WASHER, SQUARE FLAT, 3"	1-325-765	-	1	-
n	WASHER, SQUARE, CURVED, 3"	1-325-760	-	1	2
o	BOLT, DOUBLE ARMING, 5/8" x 18", w/NUTS	1-325-020	-	-	1
p	WASHER, FLAT, ROUND, 5/8"	1-325-720	-	1	-

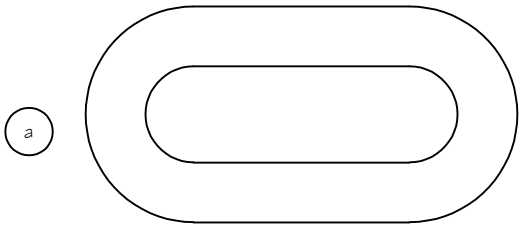
CROSSARM BRACES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BRACES
BRACEL
BRACEA



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CHLINKS	CHLINKL	
			QUANTITY	QUANTITY	QUANTITY
a	LINK, FORGED CHAIN, 5/8"	1-160-127	-	1	
a	LINK, FORGED CHAIN, 1/2"	1-160-125	1	-	

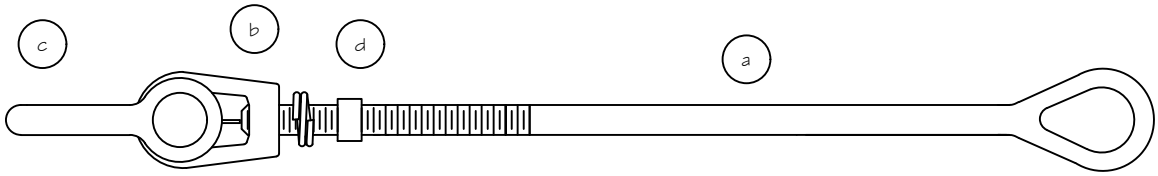
CHAIN LINKS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CHLINKS
CHLINKL



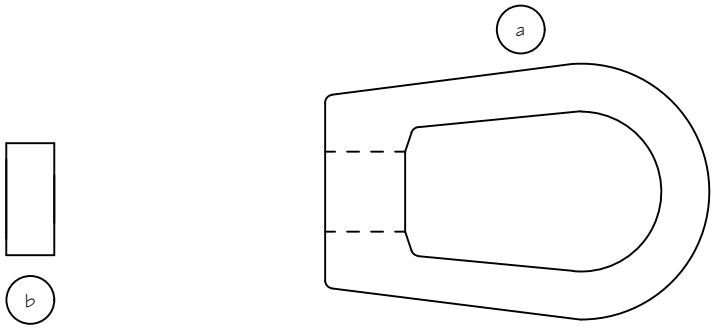
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	EXTEBS16	EXTEBL12	EXTEBL18
			QUANTITY	QUANTITY	QUANTITY
a	BOLT, OVAL EYE, 5/8" x 16"	1-325-090	1	-	-
a	BOLT, OVAL EYE, 3/4" x 12"	1-325-099	-	1	-
a	BOLT, OVAL EYE, 3/4" x 18"	1-325-098	-	-	1
b	NUT, EYE, GAL., 5/8"	1-325-525	1	-	-
b	NUT, EYE, GALV., 3/4"	1-325-530	-	1	1
c	SHACKLES, ANCHOR, 1/2"	1-010-845	1	-	-
c	SHACKLES, ANCHOR, 5/8"	1-010-840	-	1	1
d	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-753	1	-	-
d	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 3/4"	1-325-734	-	1	1

EXTENSION LINKS

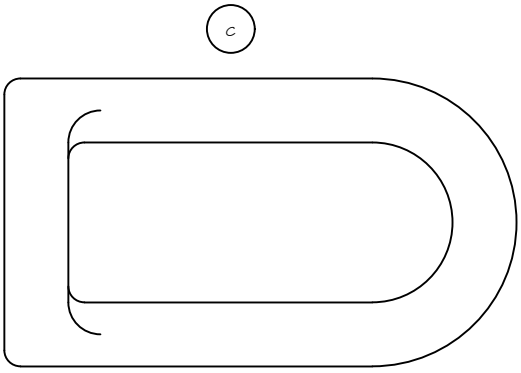
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
EXTEBS16
EXTEBL12
EXTEBL18



EYENUTS OR EYENUTL



EYELET

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	EYENUTS	EYENUTL	EYELET
			QUANTITY	QUANTITY	QUANTITY
a	EYENUT, 5/8"	1-325-525	1	-	-
a	EYENUT, 3/4"	1-325-530	-	1	-
b	NUT, SQUARE, 5/8"	1-325-535	1	-	-
b	NUT, SQUARE, 3/4"	1-325-540	-	1	-
c	EYELET, 5/8" - 3/4", 10,000#	1-325-610	-	-	1

EYENUTS
& EYELET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 10, 2006

ASSEMBLY ID.
EYENUTS
EYENUTL
EYELET



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	EYEBOLTS	EYEBOLTL	
			QUANTITY	QUANTITY	QUANTITY
a	BOLT, OVAL, EYE, 3/4" x 14" w/NUT	1-325-096	-	1	
a	BOLT, OVAL, EYE, 5/8" x 12" w/NUT	1-325-080	1	-	
b	WASHER, SQUARE, CURVED, 4"	1-325-780	-	2	
b	WASHER, SQUARE, CURVED, 3"	1-325-760	2	-	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	-	1	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	-	

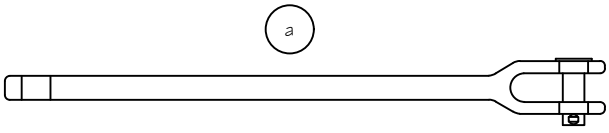
EYEBOLT LARGE
&
EYEBOLT SMALL

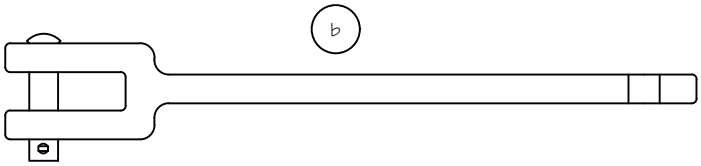
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

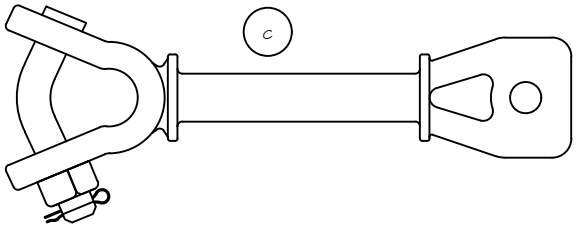
DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

EYEBOLTS
EYEBOLTL







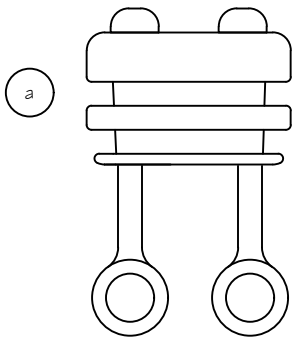
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	EXTLINKS	EXTLINKL	EXTLINKY
			QUANTITY	QUANTITY	QUANTITY
a	LINK, EXTENSION, 14"	1-105-110	1	-	-
b	LINK, CLEVIS EYE EXTENSION, 3/4" x 12"	1-105-113	-	1	-
c	LINK, Y-CLEVIS EYE, EXTENSION, 3/4" x 11"	1-105-112	-	-	1

EXTENSION LINKS

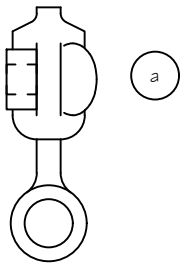
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: MARCH 27, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
EXTLINKS
EXTLINKL
EXTLINKY



HLC477A



HLC40C

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	HLC40C QUANTITY	HLC477A QUANTITY	QUANTITY
a	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1	-	
b	CLAMP, PARALLEL GROOVE HOT LINE 355/477A	1-050-035	-	1	

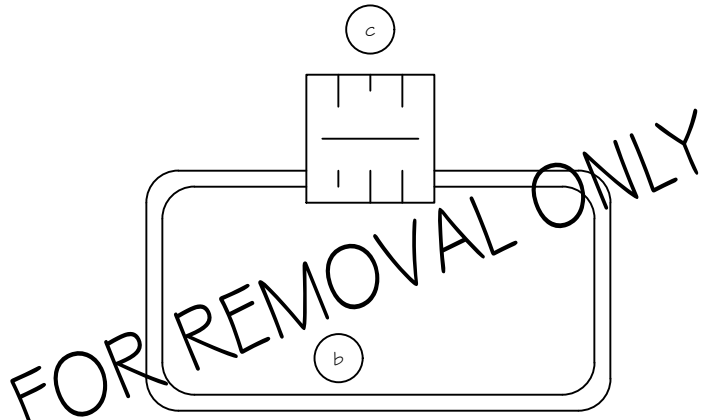
HOT LINE CLAMPS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 15, 2005

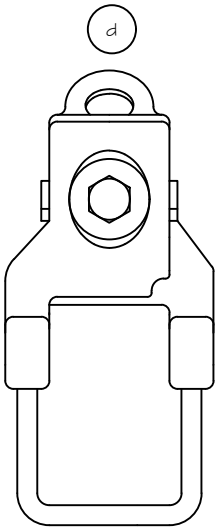
ASSEMBLY ID.

HLC40C
HLC477A

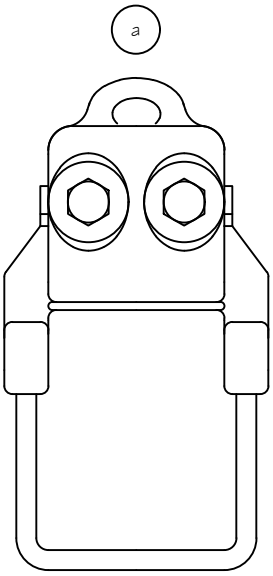


FOR REMOVAL ONLY

STRPCOMP



STRPBOLTSM



STRPBOLT

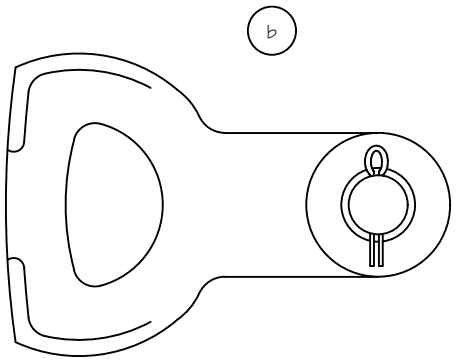
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	STRPBOLT QUANTITY	STRPCOMP QUANTITY	STRPBOLTSM QUANTITY
a	STIRRUP, BOLTED, 4/0 - 477 AL	1-050-130	1	-	-
b	CONDUCTOR, #4 AWG BARE CU., H.D.	1-065-030	-	2'	-
c	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	-	1	-
d	STIRRUP, BOLTED, #6 - #2/0 AL	1-050-125	-	-	1

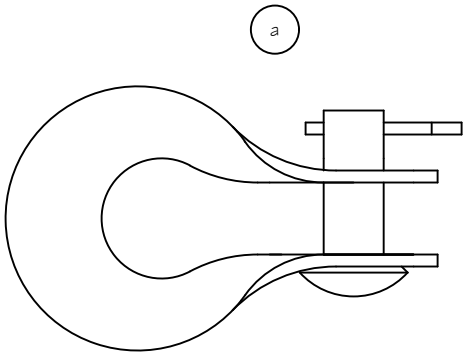
PRIMARY CONNECTION
STIRRUPS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
STRPBOLT
STRPBOLTSM
STRPCOMP





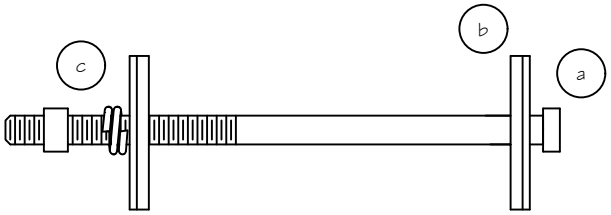
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	TCLEV	TCLEV225	TCLEV250
			QUANTITY	QUANTITY	QUANTITY
a	THIMBLE TYPE, CLEVIS	1.055-040	1	-	-
b	CLEVIS, THIMBLE, 2-1/4"	1-055-055	-	1	-
b	CLEVIS, THIMBLE, 2-1/2"	1-055-050	-	-	1

THIMBLE CLEVIS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
TCLEV
TCLEV225
TCLEV250



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	THRUBLTL	THRUBLTS	
			QUANTITY	QUANTITY	QUANTITY
a	BOLT, MACHINE, 3/4" x 14" w/ NUT	1-325-215	1	-	
a	BOLT, MACHINE, 5/8" x 12" w/ NUT	1-325-180	-	1	
b	WASHER, SQUARE, CURVED, 4"	1-325-780	2	-	
b	WASHER, SQUARE, CURVED, 3"	1-325-760	-	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	1	-	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	-	1	

GALV. MACHINE BOLT LARGE & SMALL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

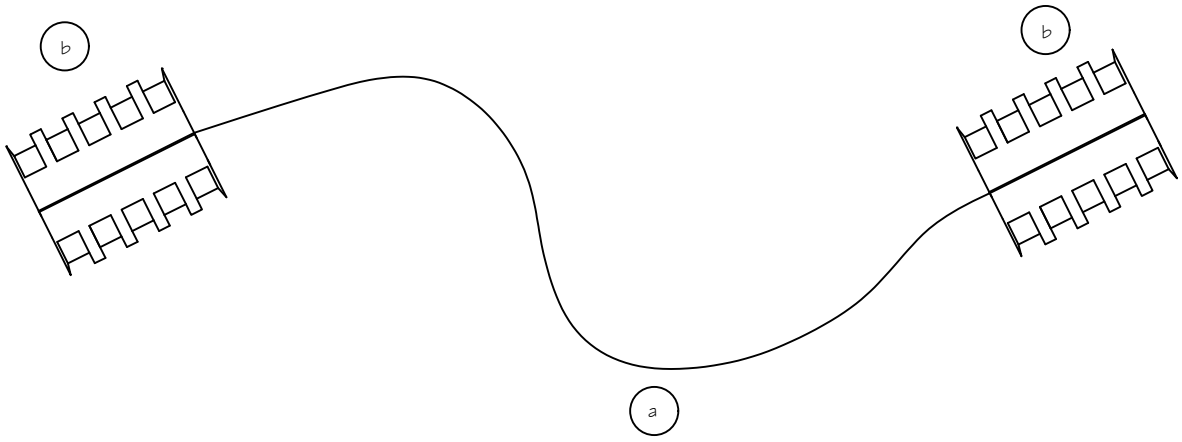
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

THRUBLTL
THRUBLTS

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CONDUCTORS



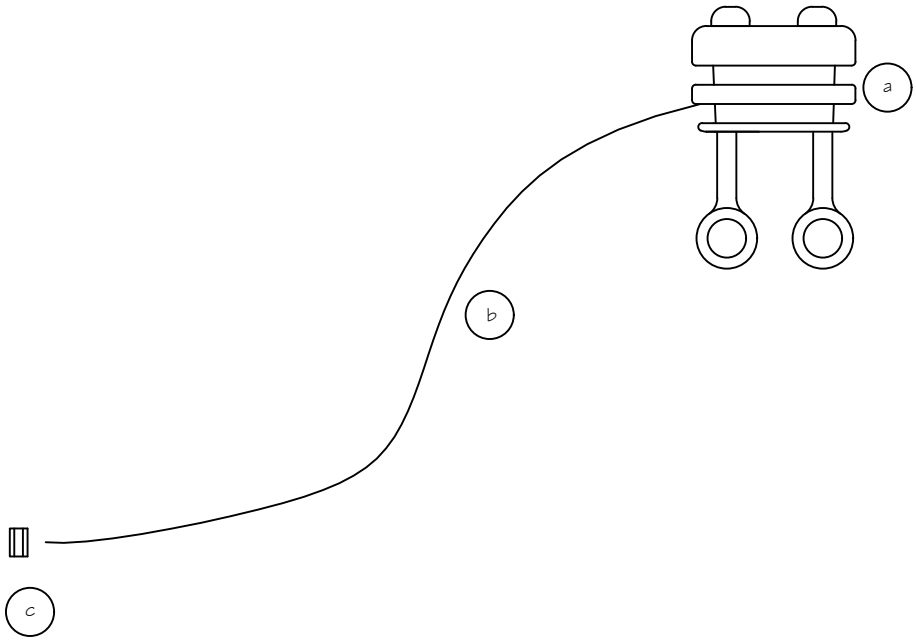
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	J954AC	J477AC	J336AC
			QUANTITY	QUANTITY	QUANTITY
a	CONDUCTOR, 954 MCM AAC, H.D.	1-065-090	10'	-	-
a	CONDUCTOR, 477 MCM AAC, H.D.	1-065-061	-	6'	-
a	CONDUCTOR, 336 MCM AAC, H.D.	1-065-100	-	-	6'
b	CONNECTOR, PRL. GRVE. COMP., 954 x 954 "R"	1-075-310	2	-	-
b	CONNECTOR, PRL. GRVE. COMP., 600 x 600 "R"	1-075-290	-	2	-
b	CONNECTOR, PRL. GRVE. COMP., 336 x 336	1-075-285	-	-	2

ALUMINUM JUMPERS WITH PGCC'S

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
J954AC
J477AC
J336AC



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	JC336A	JC477A	
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, PRL. GRVE. HOT LINE, 355/ 477A	1-050-135	1	1	
b	CONDUCTOR, 477 MCM AAC SOFT	1-065-061	-	6'	
b	CONDUCTOR, 336 MCM ACSR 18/1	1-065-100	6'	-	
c	CONNECTOR, PRL. GRVE. COMP., 336 x 336	1-075-285	1	-	
c	CONNECTOR, PRL. GRVE. COMP., 600 x 600	1-075-290	-	1	

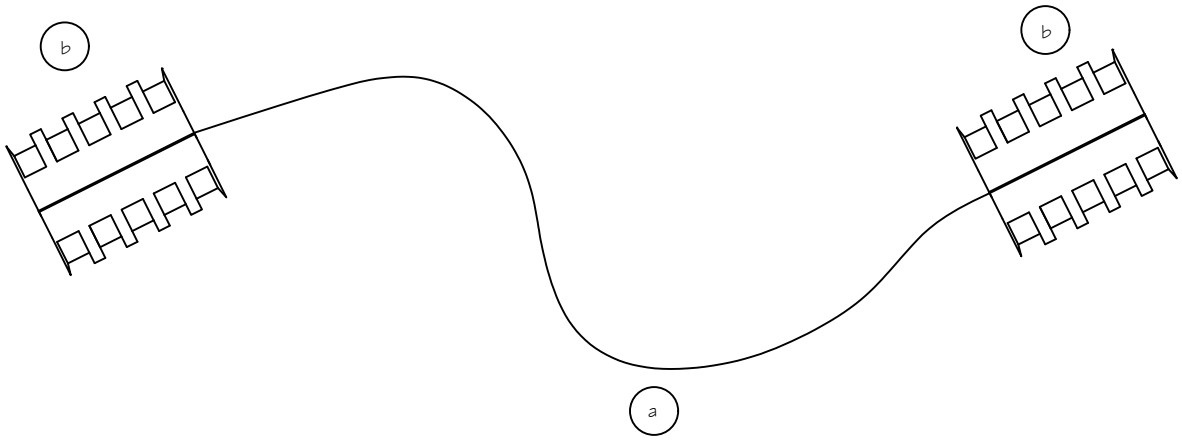
JUMPER w/ HOT LINE CLAMP

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

JC336A
JC477A



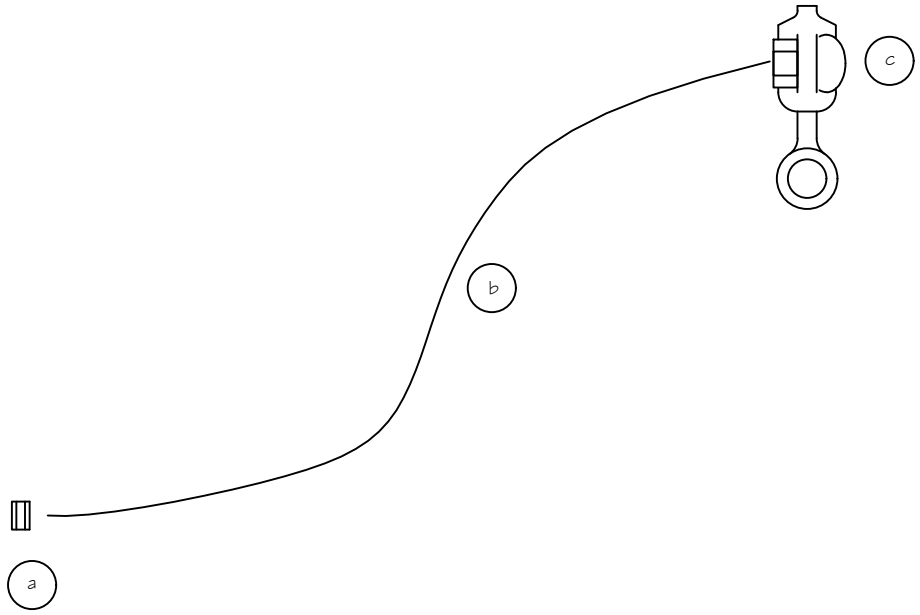
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	J040AC	J010AC	J002AC
			QUANTITY	QUANTITY	QUANTITY
a	CONDUCTOR, 4/0 AAAC 6201	1-065-110	6'	-	-
a	SIMPLEX, STR, BARE, AL, 5005, COIL, #1/0	1-065-120	-	6'	-
a	SIMPLEX, STR, BARE, AL, 5005, COIL, #2	1-065-140	-	-	6'
b	CONNECTOR, PRL. GRVE., COMP., #7/7	1-075-270	2	-	-
b	CONNECTOR, PRL. GRVE., COMP., #4/7	1-075-255	-	2	-
b	CONNECTOR, PRL. GRVE., COMP., #1/7	1-075-245	-	-	2

ALUMINUM JUMPERS WITH PGCC'S

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
J040AC
J010AC
J002AC



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	JC4C	JC2C	
			QUANTITY	QUANTITY	QUANTITY
a	CONNECTOR, PRL. GRVE., #4- #4 CU	1-075-313	1	-	
a	CONNECTOR, PRL. GRVE., #2- #2 CU	1-075-314	-	1	
b	CONDUCTOR, #4 BARE CU	1-065-040	6'	-	
b	CONDUCTOR, #2 BARE CU	1-065-025	-	6'	
c	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1	1	

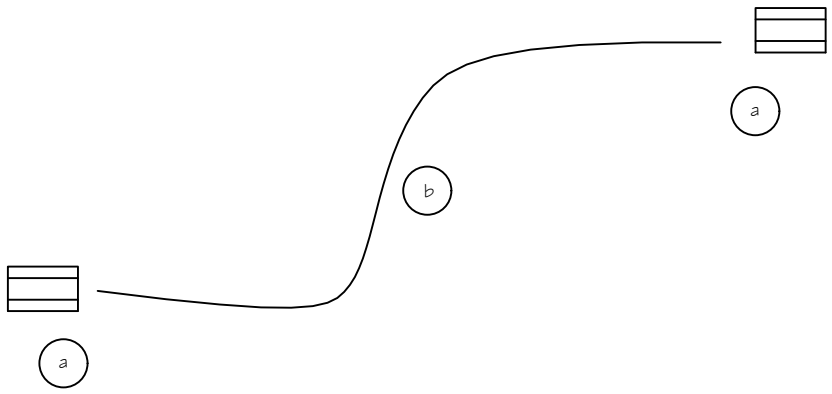
JUMPER w/ HOT LINE CLAMP

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 15, 2005

ASSEMBLY ID.

JC4C
JC2C



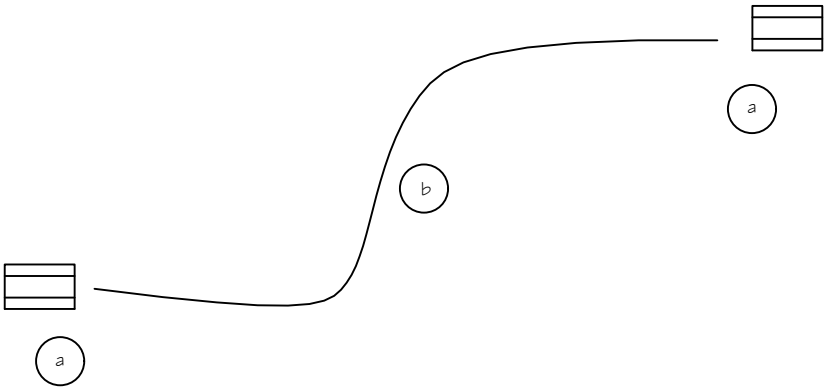
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	J4C	J2C	J20C	J250C
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CONNECTOR, PRL. GRVE., COMP., #4	1-075-313	2	-	-	-
a	CONNECTOR, PRL. GRVE., COMP., #2	1-075-314	-	2	-	-
a	CONNECTOR, PRL. GRVE., COMP., #2/0	1-075-312	-	-	2	-
a	CONNECTOR, PRL. GRVE., COMP., #336	1-075-285	-	-	-	2
b	CONDUCTOR, #4 BARE CU	1-065-040	6'	-	-	-
b	CONDUCTOR, #2 BARE CU	1-065-025	-	6'	-	-
b	CONDUCTOR, #2/0 BARE CU	1-065-177	-	-	6'	-
b	CONDUCTOR, #250 BARE CU	1-065-160	-	-	-	6'

COPPER JUMPERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
J4C
J2C
J20C
J250C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	J2CT QUANTITY	QUANTITY	QUANTITY
a	CONNECTOR, PRL. GRVE., COMP., #2	1-075-314	2		
b	CONDUCTOR, #2 SOFT CU, TINNED	1-065-027	6'		

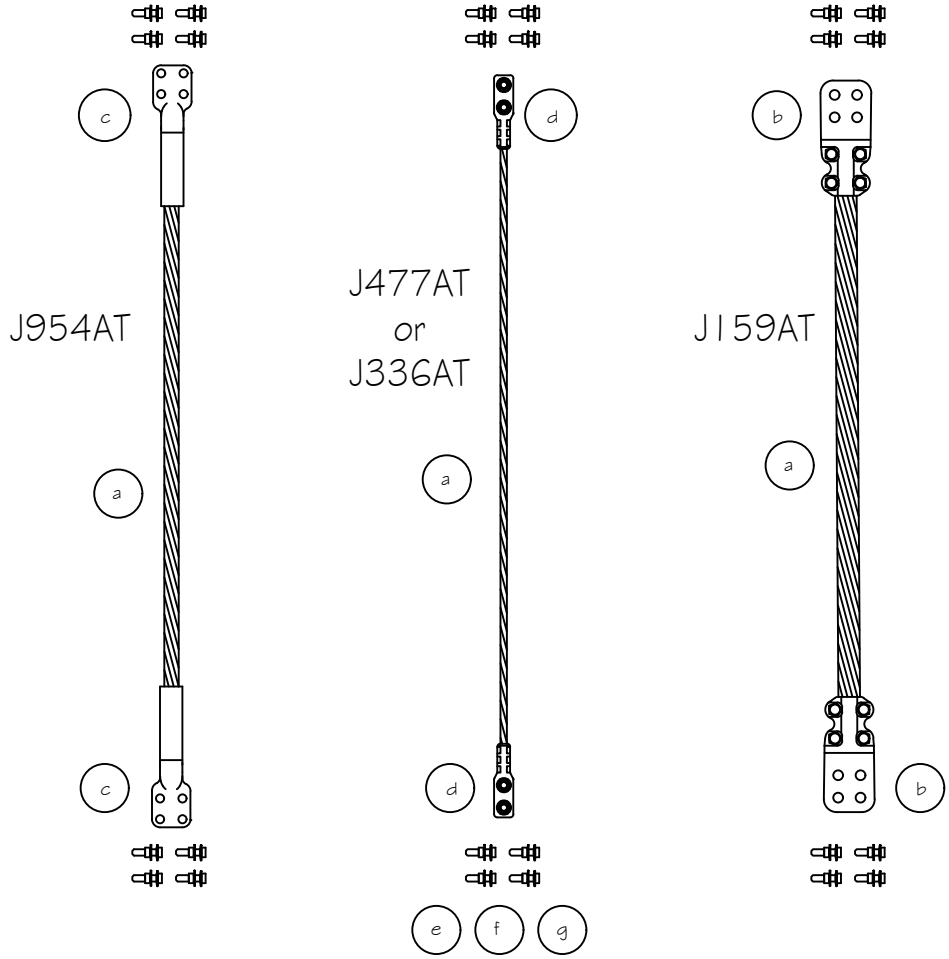
COPPER JUMPERS (TINNED CONDUCTORS)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

J2CT



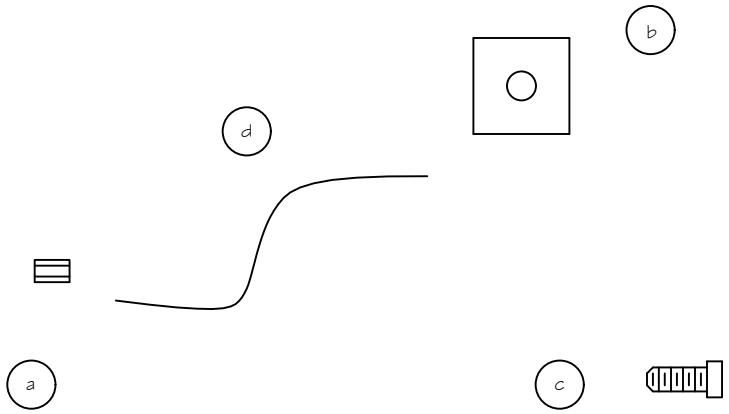
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	J159AT	J954AT	J477AT	J336AT
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CONDUCTOR, 1590 MCM AAC SOFT	1-065-065	10'	-	-	-
a	CONDUCTOR, 954 MCM AAC H.D.	1-065-090	-	10'	-	-
a	CONDUCTOR, 477 MCM AAC SOFT	1-065-061	-	-	6'	-
a	CONDUCTOR, 336 MCM ACSR 18/1	1-065-100	-	-	-	6'
b	TERMINAL, 4-HOLE BOLTED, 1590 MCM AL	1-075-535	2	-	-	-
c	TUBULAR, ALUMINUM, #954 MCM	1-075-450	-	2	-	-
d	SPADE, 500 MCM, CAST AL, 2 HOLE OFFSET, TERM	1-075-220	-	-	2	-
d	SPADE, 350 MCM, 2 HOLE, TERMINAL (URD)	1-075-190	-	-	-	2
e	BOLT, STAINLESS STEEL, 1/2" x 2", w/ NUT	1-325-230	8	8	4	4
f	WASHER, FLAT, ROUND S.S., 1/2"	1-325-580	16	16	8	8
g	WASHER, BELLEVILLE, 1/2"	1-325-705	8	8	4	4

ALUMINUM JUMPERS WITH NEMA TERMINALS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
J159AT
J954AT
J477AT
J336AT



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	J2CS QUANTITY	QUANTITY	QUANTITY
a	CONNECTOR, PRL. GRVE., #2 - #2 CU	1-075-314	1		
b	CLIP, BONDING, 1/2"	1-050-071	1		
c	BOLT, STAINLESS STEEL, 1/2" x 1- 1/4"	1-325-238	1		
d	CONDUCTOR, #2 BARE CU	1-065-025	6'		

JUMPER for BONDING STATIC or NEUTRAL ON STEEL POLE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

J2CS

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.
	OVERHEAD ALUMINUM CONDUCTORS	
AAAC002	O/H ALUMINUM, #2 (Pri. or Neut.)	1-065-140
AAAC010	O/H ALUMINUM, 1/0 (Pri. or Neut.)	1-065-120
AAAC010X	O/H ALUMINUM, 1/0 (Street Light Circuit)	1-065-225
AAAC040	O/H ALUMINUM, 4/0 (Pri. or Neut.)	1-065-110
AAAC355	O/H ALUMINUM, 355 (Pri. or Neut.) (REMOVAL ONLY)	1-065-101
AAC010T	O/H WP ALUMINUM, 1/0 (Pri. Only) (Insulated for 15KV) (FOR SLACK SPANS)	1-065-300
AAC1590	O/H ALUMINUM, 1590 (Pri. or Neut.)	1-065-095
AAC336T	O/H WP ALUMINUM, 336 (Pri. Only) (Insulated for 15KV) (FOR SLACK SPANS)	1-065-310
AAC477	O/H ALUMINUM, 477 (Pri. or Neut.)	1-065-085
AAC954	O/H ALUMINUM, 954 (Pri. or Neut.)	1-065-090
ACSR004	O/H ALUMINUM, #4 (Pri. or Neut.) (REMOVAL ONLY)	1-350-220
ACSR336	O/H ALUMINUM, 336 (Pri. or Neut.)	1-065-100
AQPX002	O/H ALUMINUM QUADRUPLEX, #2 (Sec. or Serv.)	1-065-290
AQPX020	O/H ALUMINUM QUADRUPLEX, 2/0 (Sec. or Serv.)	1-065-280
AQPX040	O/H ALUMINUM QUADRUPLEX, 4/0 (Sec. or Serv.)	1-065-270
ATPX002	O/H ALUMINUM TRIPLEX, #2 (Sec. or Serv.)	1-065-260
ATPX004	O/H ALUMINUM TRIPLEX, #4 (Sec. or Serv.) (TRANSFER or REMOVAL ONLY)	1-065-???
ATPX006	O/H ALUMINUM TRIPLEX, #6 (Sec. or Serv.)	1-065-265
ATPX020	O/H ALUMINUM TRIPLEX, 2/0 (Sec. or Serv.)	1-065-250
ATPX040	O/H ALUMINUM TRIPLEX, 4/0 (Sec. or Serv.)	1-065-240
AXLP500	O/H ALUMINUM POLYETHYLENE INSULATED, 500 (4 for QUAD. Sec. or Serv.)	1-065-540
AXLP750	O/H ALUMINUM POLYETHYLENE INSULATED, 750 (4 for QUAD. Sec. or Serv.)	1-065-530

OVERHEAD CONDUCTORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JULY 31, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: MAY 21, 2008

ASSEMBLY ID.

CONDOHS1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.
	OVERHEAD COPPER CONDUCTORS	
CU002	O/H COPPER, #2 (Pri. or Neut.) (Sec. or Serv.) (TRANSFER or REMOVAL ONLY	1-065-020
CU002T	O/H WP COPPER, #2 (Pri. or Neut.) (Sec. or Serv.) (TREE WIRE - TRANSFER or REMOVAL ONLY	1-065-???
CU004	O/H COPPER, #4 (Pri. or Neut.) (Sec. or Serv.) (TRANSFER or REMOVAL ONLY	1-065-030
CU004T	O/H WP COPPER, #4 (Pri. or Neut.) (Sec. or Serv.) (TREE WIRE - TRANSFER or REMOVAL ONLY	1-065-???
CU006	O/H COPPER, #6 (Pri. or Neut.) (Sec. or Serv.) (TRANSFER or REMOVAL ONLY	1-065-050
CU006T	O/H WP COPPER, #6 (Pri. or Neut.) (Sec. or Serv.) (TREE WIRE - TRANSFER or REMOVAL ONLY	1-065-???
CU020T	O/H WP COPPER, #2/0 (Pri. or Neut.) (Sec. or Serv.) (TREE WIRE - TRANSFER or REMOVAL ONLY	1-065-235
CU250	O/H COPPER, #250 (Pri. or Neut.) (Sec. or Serv.)	1-065-020
CXLP500	O/H COPPER, POLYETHYLENE INSULATED, #500 (4 for QUAD. Sec. or Serv.)	1-065-200
CXLP350	O/H COPPER, POLYETHYLENE INSULATED, #350 (4 for QUAD. Sec. or Serv.)	1-065-201
CXLP600	O/H COPPER, POLYETHYLENE INSULATED, #600 (4 for QUAD. Sec. or Serv.)	1-065-202
CLSNH500	CONDUCTOR, #500 MCM CU, LS-NH, 600 V (4 for QUAD. Sec. or Serv.)	1-065-400
CLSNH040	CONDUCTOR, #4/0 MCM CU, LS-NH, 600 V (4 for QUAD. Sec. or Serv.)	1-065-410

OVERHEAD CONDUCTORS	PUBLIC WORKS COMMISSION OF THE CITY OF FAYETTEVILLE , N.C.		ASSEMBLY ID.
	DRAWN BY: WRW3	DATE: JULY 31, 2004	CONDOHS2
	CHECKED BY:	SCALE: NONE	
	APPROVED BY:	Revised: AUGUST 14, 2014	

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.
	OVERHEAD GROUND WIRE (Transmission Static)	
OHGW38HS	O/H GALVANIZED GUYSTRAND, 3/8" (Transmission Static)	1-010-518
OHGW76AW	O/H ALUMINUM CLAD STEEL GUYSTRAND, 7#6 ALUMOWELD (Transmission Static)	1-010-570

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.
	UNDERGROUND ALUMINUM CONDUCTORS (IN CONDUIT)	
DACN002	U/G ALUM. w/CONCENTRIC NEUTRAL, #2 (Pri. In Conduit)	1-065-545
DACN010	U/G ALUM. w/CONCENTRIC NEUTRAL, 1/0 (Pri. In Conduit)	1-065-510
DACN040	U/G ALUM. w/CONCENTRIC NEUTRAL, 4/0 (Pri. In Conduit)	1-065-514
DACN750	U/G ALUM. w/CONCENTRIC NEUTRAL, 750 (Pri. In Conduit)	1-065-522
DACS100	U/G ALUM. w/COPPER SHEILD, 1000 (Pri. In Conduit) (requires DCLPN250 Neutral)	1-065-525
DACS750	U/G ALUM. w/COPPER SHEILD, 750 (Pri. In Conduit) (requires DCLPN250 Neutral) (DCBN020 Inventory)	1-065-520
DAQPX040	U/G ALUM. QUADRUPLEX, 4/0 (In Conduit, Sec. or Serv.)	1-065-600
DAQPX500	U/G ALUM. QUADRUPLEX, 500 (In Conduit, Sec. or Serv.)	1-065-620
DATPX002	U/G ALUM. TRIPLEX, #2 (In Conduit, Sec. or Serv.)	1-065-585
DATPX006	U/G ALUM. TRIPLEX, #6 (In Conduit, Sec. or Serv.)	1-065-590
DATPX040	U/G ALUM. TRIPLEX, 4/0 (In Conduit, Sec. or Serv.)	1-065-580
DATPX350	U/G ALUM. TRIPLEX, 350 (In Conduit, Sec. or Serv.)	1-065-606
DATPX500	U/G ALUM. TRIPLEX, 500 (In Conduit, Sec. or Serv.)	1-065-610
DAXLP500	U/G ALUM. POLYETHYLENE INSULATED, 500 (In Conduit, Sec. or Ser.) (SPLICE ONLY)	1-065-540
DAXLP750	U/G ALUM. POLYETHYLENE INSULATED, 750 (In Conduit) (4 for QUAD. Sec. or Ser.)	1-065-530
	UNDERGROUND COPPER CONDUCTORS (IN CONDUIT)	
DCBN020	U/G COPPER, 2/0 (In Conduit, Neutral) (for inventory w/DACS750 & DCCS750)	1-065-177
DCLPN250	U/G COPPER POLYETHYLENE INSULATED, 250 (In Conduit, Neut.) (use w/DACS750, DCCS750, & DACS100)	1-065-230
DCTPX001	U/G COPPER TRIPLEX, #10 (In Conduit, Sec. or Serv.)	1-065-575
DCXLP250	U/G COPPER POLYETHYLENE INSULATED, 250 (In Conduit) (4 for QUAD. Sec. or Serv.)	1-065-230
DCXLP350	U/G COPPER POLYETHYLENE INSULATED, 350 MCM (In Conduit) (4 for QUAD. Sec. or Serv.)	1-065-201
DCXLP500	U/G COPPER POLYETHYLENE INSULATED, 500 (In Conduit) (4 for QUAD. Sec. or Serv.)	1-065-200
DCLSNH500	U/G COPPER FLAME RETARDANT LOW SMOKE, NON-HALOGEN POLYOLEFIN INSULATED, 500 MCM (In Conduit) (4 for QUAD. Sec. or Serv.)	1-065-400
DCLSNH040	U/G COPPER FLAME RETARDANT LOW SMOKE, NON-HALOGEN POLYOLEFIN INSULATED, #4/0 (In Conduit) (4 for QUAD. Sec. or Serv.)	1-065-410
DCXLP600	U/G COPPER POLYETHYLENE INSULATED, 600 MCM (In Conduit) (4 for QUAD. Sec. or Serv.)	1-065-202

UNDERGROUND CONDUCTORS (Conduit or Duct Bank)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JULY 31, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JUNE 14, 2016

ASSEMBLY ID.

CONDUGS1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.
	UNDERGROUND ALUMINUM CONDUCTORS (DIRECT BURIED)	
UACN002	U/G ALUM. w/CONCENTRIC NEUTRAL, #2 (Pri.)	1-065-545
UACN010	U/G ALUM. w/CONCENTRIC NEUTRAL, 1/0 (Pri.)	1-065-510
UACN040	U/G ALUM. w/CONCENTRIC NEUTRAL, 4/0 (Pri.)	1-065-514
UACN750	U/G ALUM. w/CONCENTRIC NEUTRAL, 750 (Pri.)	1-065-522
UACS1000	U/G ALUM., w/COPPER SHIELD, 1000 (Pri.) (requires DCLPN250 Neut.)	1-065-525
UACS750	U/G ALUM., w/COPPER SHIELD, 750 (Pri.) (requires DCLPN250 Neut.) (DCBN020 Inventory)	1-065-520
UAQPX040	U/G ALUM. QUADRUPLEX, 4/0 (Sec. or Serv.)	1-065-600
UAQPX500	U/G ALUM. QUADRUPLEX, 500 (Sec. or Serv.)	1-065-620
UATPX002	U/G ALUM. TRIPLEX, #2 (Sec. or Serv.)	1-065-585
UATPX006	U/G ALUM. TRIPLEX, #6 (Sec. or Serv.)	1-065-590
UATPX040	U/G ALUM. TRIPLEX, 4/0 (Sec. or Serv.)	1-065-580
UATPX350	U/G ALUM. TRIPLEX, 350 (Sec. or Serv.)	1-065-606
UATPX500	U/G ALUM. TRIPLEX, 500 (Sec. or Serv.)	1-065-610
UAXLP500	U/G ALUM. POLYETHYLENE INSULATED, 500 (Sec. or Ser.) (SPLICE ONLY)	1-065-540
UAXLP750	U/G ALUM. POLYETHYLENE INSULATED, 750 (4 for QUAD. Sec. or Ser.)	1-065-530
	UNDERGROUND COPPER CONDUCTORS (DIRECT BURIED)	
UCBN020	U/G COPPER, 2/0 (Neutral) (for inventory w/DACS750 & DCCS750)	1-065-177
UCLPN250	U/G COPPER POLYETHYLENE INSULATED, 250 (Neut.) (use w/DACS750, DCCS750, & DACS100)	1-065-230
UCTPX001	U/G COPPER TRIPLEX, #10 (Sec. or Serv.)	1-065-575
UCXLP250	U/G COPPER POLYETHYLENE INSULATED, #250 (4 for QUAD. Sec. or Serv.)	1-065-230
UCXLP350	U/G COPPER POLYETHYLENE INSULATED, #350 (4 for QUAD. Sec. or Serv.)	1-065-201
UCXLP500	U/G COPPER POLYETHYLENE INSULATED, #500 (4 for QUAD. Sec. or Serv.)	1-065-200
UCXLP600	U/G COPPER POLYETHYLENE INSULATED, #600 (4 for QUAD. Sec. or Serv.)	1-065-202
UCLSNH500	U/G COPPER FLAME RETARDENT LOW SMOKE, NON-HALOGEN POLYOLEFIN INSULATED, #500 MCM (4 for QUAD. Sec. or Serv.)	1-065-400
UCLSNH040	U/G COPPER FLAME RETARDENT LOW SMOKE, NON-HALOGEN POLYOLEFIN INSULATED, #4/0 (4 for QUAD. Sec. or Serv.)	1-065-410

UNDERGROUND CONDUCTORS (Direct Burial)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JULY 31, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JUNE 14, 2016

ASSEMBLY ID.

CONDUGS2

CONDUCTOR ATTACHMENT & CONNECTIONS

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	ARMOR ROD FOR #954 CONDUCTOR		
ARMROD954	RODS, ARMOR, 954	1-255-050	1
	ARMOR ROD FOR #477 CONDUCTOR		
ARMROD477	RODS, ARMOR, 477, AAC	1-255-045	1
	ARMOR ROD FOR #336 CONDUCTOR		
ARMROD336	RODS, ARMOR, 336 ACSR/355 AAAC	1-255-040	1
	ARMOR ROD FOR #4/0 CONDUCTOR		
ARMROD40	RODS, ARMOR, 4/0 ACSR/AAAC	1-255-030	1
	ARMOR ROD FOR #1/0 CONDUCTOR		
ARMROD10	RODS, ARMOR, 1/0 ACSR/AAAC	1-255-020	1
	ARMOR ROD FOR 7#6 CONDUCTOR		
ARMROD76	RODS, ARMOR, 7#6 ALUMOWELD	1-255-037	1

Public Works Commission
Fayetteville, NC

Electric Systems Engineering

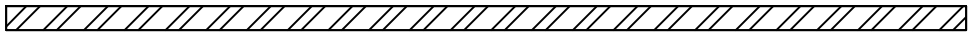
ARMOR RODS

Compatible Unit ID.

ARMOR RODS PAGE 1

DRAWN BY: WRW3	DATE: July 14, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	REVISED: n/a

File Name: Armorrodspg1



a

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ARMROD10 QUANTITY	ARMROD40 QUANTITY	ARMROD76 QUANTITY
a	RODS, ARMOR, 1/0 ACSR/AAAC	1-255-020	1	-	-
a	RODS, ARMOR, 4/0 ACSR/AAAC	1-255-030	-	1	-
a	RODS, ARMOR, 7#6 ALUMOWELD	1-255-037	-	-	1

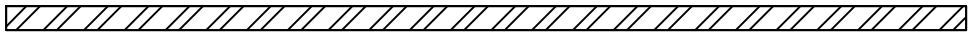
ARMOR RODS for 1/0, 4/0, & 7#6 CONDUCTORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: AUGUST 9, 2005
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ARMROD10
ARMROD40
ARMROD76



a

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	ARMROD336	ARMROD477	ARMROD954
			QUANTITY	QUANTITY	QUANTITY
a	RODS, ARMOR, 336 ACSR/355 AAAC	1-255-040	1	-	-
a	RODS, ARMOR, 477 AAC	1-255-045	-	1	-
a	PREFORMED ARMOR RODS, 954	1-255-050	-	-	1

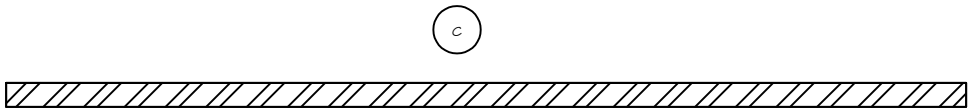
ARMOR RODS for 336, 477 & 954 CONDUCTORS

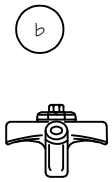
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

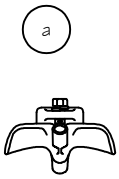
DRAWN BY: WRW3	DATE: AUGUST 9, 2005
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ARMROD336
ARMROD477
ARMROD954







ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALA954C	CALA477C	CALA336C
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, LINE POST, 1.5" - 2.0", ANG.	1-050-138	1	-	-
b	CLAMP, LINE POST, 1.0" - 1.5", ANG.	1-050-137	-	1	1
c	RODS, ARMOR, 954 AAC	1-255-050	1	-	-
c	RODS, ARMOR, 477 AAC	1-255-045	-	1	-
c	RODS, ARMOR, 336 ACSR	1-255-040	-	-	1

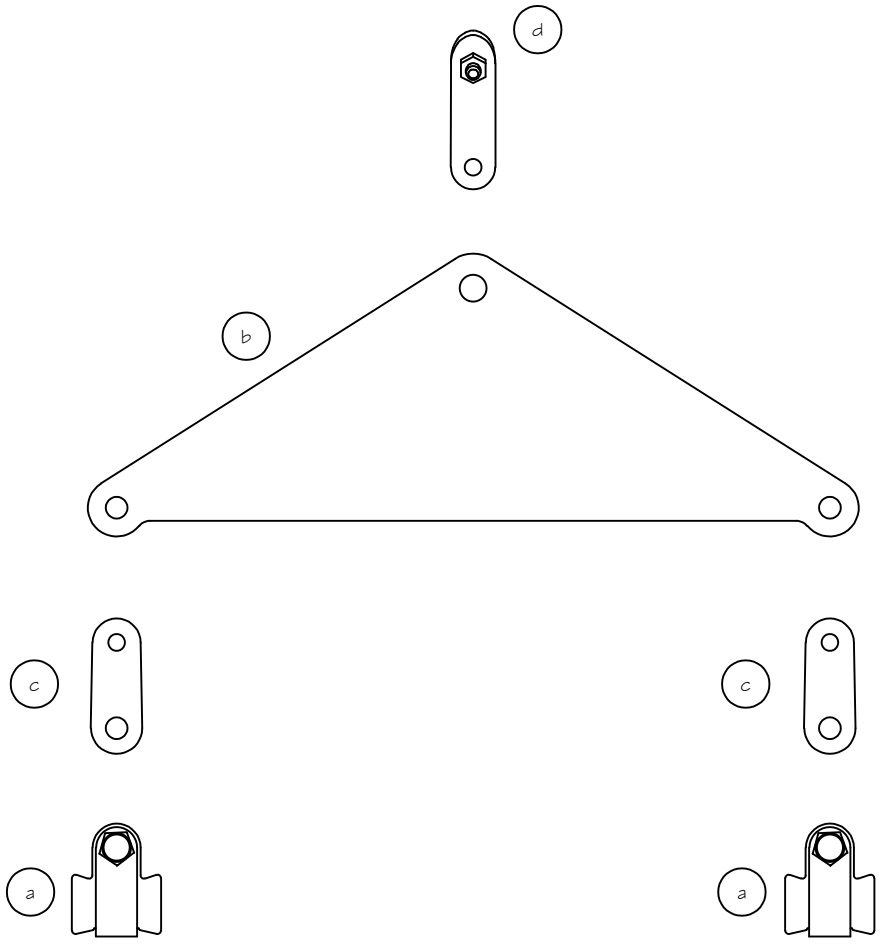
CONDUCTOR ATTACHMENT ANGLE LINE CONSTRUCTION LINE - CLAMPED 954 - 336

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALA954C
CALA477C
CALA336C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALA954H QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AGS DOUBLE, 954	1-050-177	1		
b	PLATE, YOKE, 26"	1-210-090	1		
c	CLEVIS EYE, 3/4"	1-055-035	2		
d	Y-CLEVIS CLEVIS, 3/4	1-055-090	1		

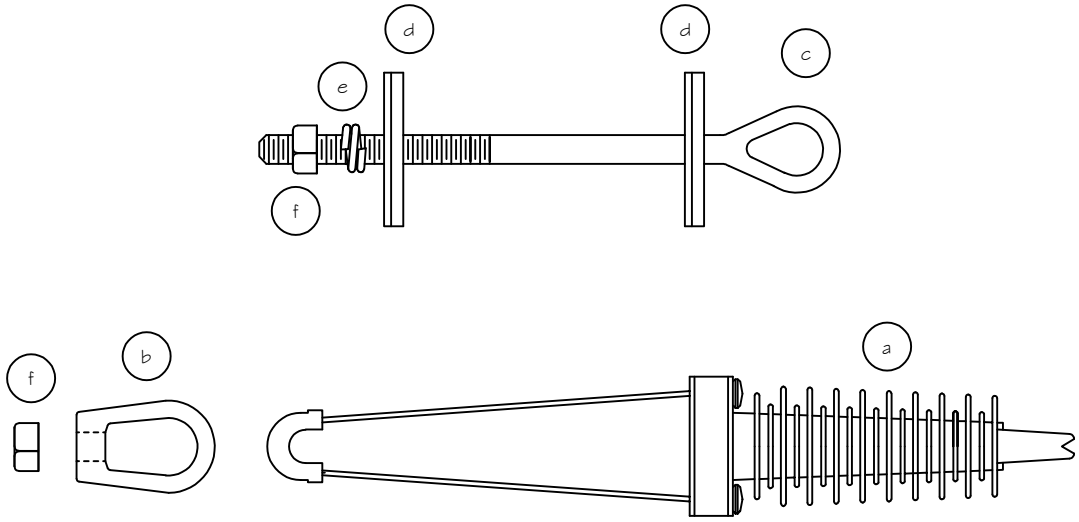
CONDUCTOR ATTACHMENT LINE ANGLE - 954 MCM 230 KV

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30,2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALA954H



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALD1OCB	CALD1OCN	
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, DEADEND, 1/0 JACKETED	1-270-369	1	1	
b	EYENUT, 5/8"	1-325-525	-	1	
c	EYEBOLT, 5/8" x 12"	1-325-080	1	-	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	-	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8'	1-325-733	1	-	
f	NUT, 5/8"	1-325-535	1	1	

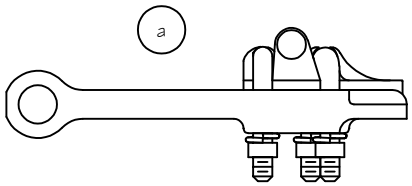
CONDUCTOR ATTACHMENT DEADEND CONSTRUCTION for COVERED CONDUCTOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: OCTOBER 8, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALD1OCB
CALD1OCN





b

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALD954 QUANTITY	CALD477 QUANTITY	CALD336 QUANTITY
a	CLAMP, AL. STRAIGHT D.E. 954 MCM	1-105-090	1	-	-
a	CLAMP, AL. STRAIGHT D.E. 4/0 - 477 MCM	1-105-080	-	1	1
b	CONNECTOR, PRL. GVE. COMP. 954 x 954	1-075-310	1	-	-
b	CONNECTOR, PRL. GVE. COMP. 600 x 600	1-075-290	-	1	-
b	CONNECTOR, PRL. GVE. COMP. 336 x 336	1-075-285	-	-	1

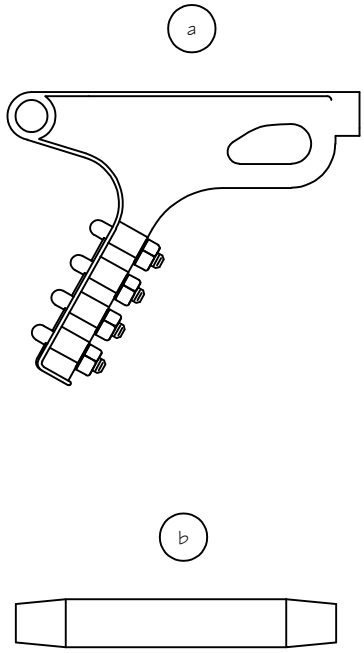
CONDUCTOR ATTACHMENT LINE DEADENDS FOR PRIMARY 954 MCM - 336 MCM ACSR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALD954
CALD477
CALD336



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALD954H		
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, QUADRANT DEADEND, 954 MCM	1-050-148	1		
b	SLEEVE, JUMPER, 954 MCM	1-270-525	1		

CONDUCTOR ATTACHMENT LINE DEADENDS - 954 MCM 230 KV

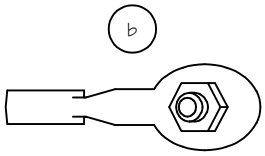
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALD954H





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALJ954H QUANTITY	CALJ954 QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. SUSP., 0.75" - 1.12"	1-050-160	1	1		
b	Y - CLEVIS EYE 90, 3/4", 30,000#	1-055-085	1	-		

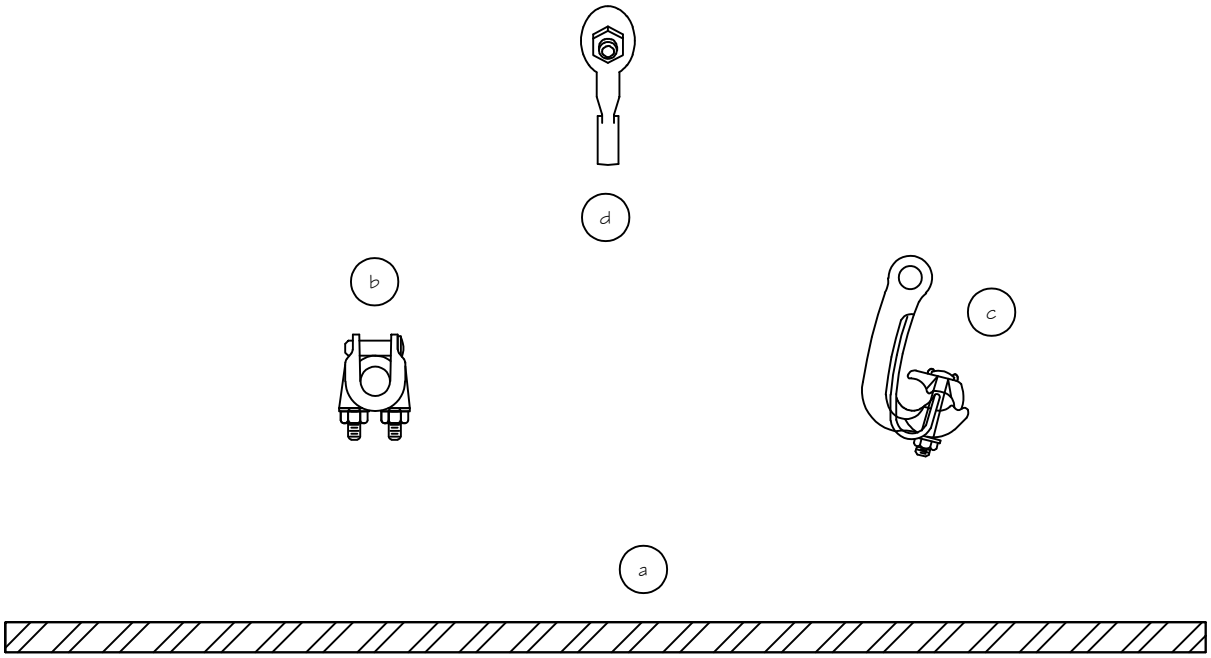
CONDUCTOR ATTACHMENT LINE JUMPER - 954 MCM 230 KV

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 27, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALJ954H
CALJ954



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALS954 QUANTITY	CALS477 QUANTITY	CALS477A QUANTITY	QUANTITY
a	RODS, ARMOR, 954 AAC	1-255-050	1	-	-	
a	RODS, ARMOR, 477 AAC	1-255-045	-	1	1	
b	CLAMP, AL. SUSP., 1.74"	1-050-170	1	-	-	
b	CLAMP, AL. SUSP., 0.75" - 1.12"	1-050-160	-	1	-	
c	CLAMP, AL. ANGLE, 0.75" - 1.25"	1-050-010	-	-	1	
d	Y - CLEVIS EYE 90, 3/4", 30,000#	1-055-085	1	1	-	

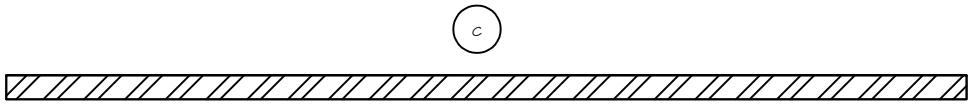
CONDUCTOR ATTACHMENT TANGENT/ANGLE LINE - SUSPENSION CLAMPS 954 AND 477

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALS954
CALS477
CALS477A





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALT954C	CALT477C	CALT336C
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, LINE POST, 1.5" - 2.0", STR.	1-050-145	1	-	-
b	CLAMP, LINE POST, 1.0" - 1.5", STR.	1-050-142	-	1	1
c	RODS, ARMOR, 954 AAC	1-255-050	1	-	-
c	RODS, ARMOR, 477 AAC	1-255-045	-	1	-
c	RODS, ARMOR, 336 ACSR	1-255-040	-	-	1

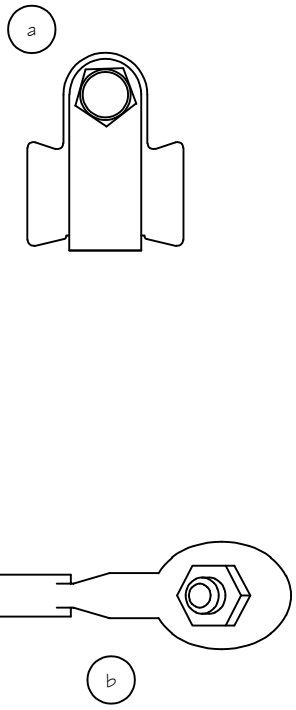
CONDUCTOR ATTACHMENT TANGENT / SMALL ANGLE LINE - CLAMPED 954 - 336

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALT954C
CALT477C
CALT336C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALT954H			
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AGS, 954	1-050-175	1			
b	Y - CLEVIS EYE 90, 3/4", 30,000#	1-055-085	1			

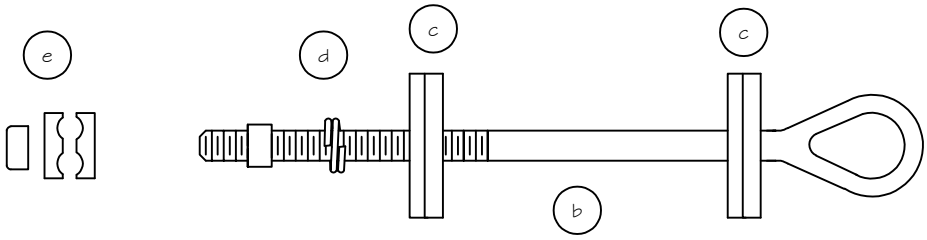
CONDUCTOR ATTACHMENT LINE TANGENT - 954 MCM 230 KV

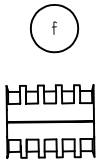
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

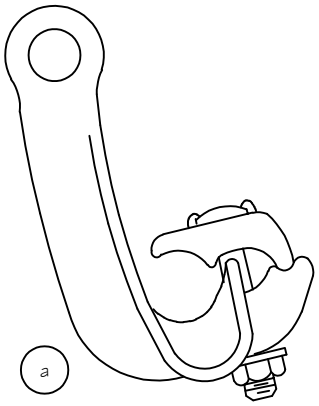
DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

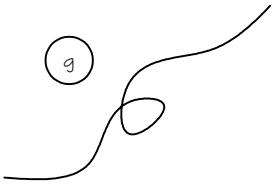
ASSEMBLY ID.

CALT954H









ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAGA38SB		
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, ANGLE, SMALL	1-050-020	1		
b	BOLT, OVAL, EYE, 5/8" x 12", w/NUT	1-325-080	1		
c	WASHER, SQUARE, CURVED, 3"	1-325-760	2		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1		
e	CLAMP, GROUNDING, 5/8"	1-050-074	1		
f	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1		
g	CONDUCTOR, #2 AWG CU., SOFT	1-065-025	3		

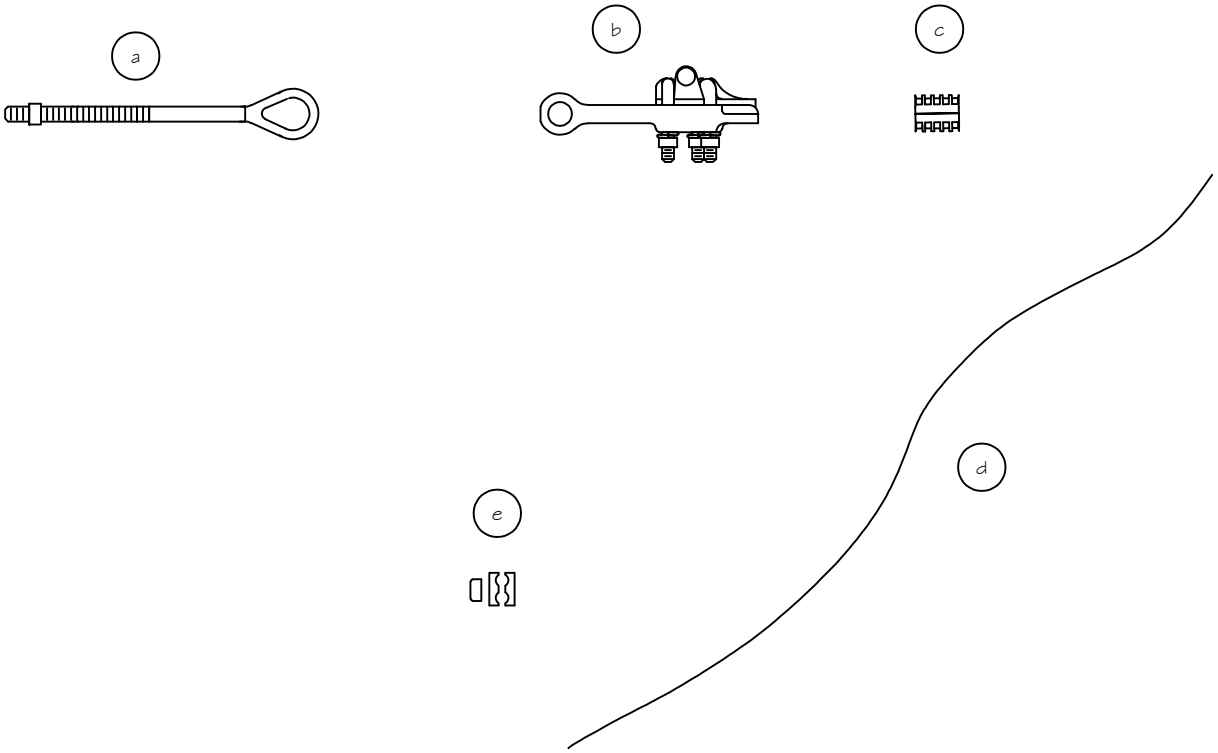
CONDUCTOR ATTACHMENT OHGW LINE ANGLE - 3/8" HSS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAGA38SB



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAGS38 QUANTITY	CAGS76 QUANTITY	QUANTITY
a	BOLT, OVAL, EYE, 5/8" x 10"	1-325-075	1	1	
b	CLAMP, AL, STRAIGHT, D.E., #4- 3/0	1-050-146	1	1	
c	CONNECTOR, PRL. GRVE., COMP., #5/7	1-075-260	-	1	
c	CONNECTOR, PRL. GRVE., COMP., #2/7	1-075-250	1	-	
d	CONDUCTOR, #2 AWG CU., SOFT	1-065-025	4'	4'	
e	CLAMP, GROUNDING, 5/8"	1-050-074	1	1	

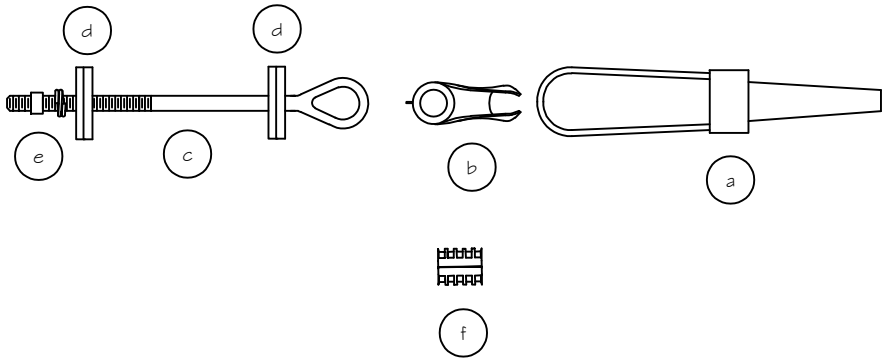
OHGW REDUCED TENSION DEADEND

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

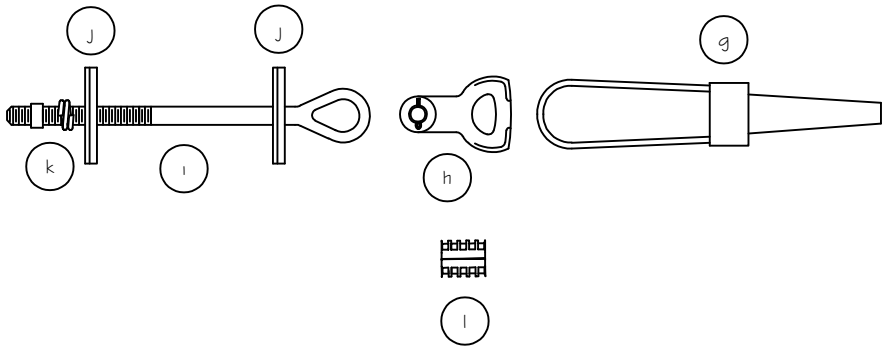
DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAGS38
CAGS76



CAGD38SB



CAGD7#6B

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAGD38SB QUANTITY	CAGD7#6B QUANTITY	QUANTITY
a	STRANDVISE, w/BAIL, 3/8" SLEEVES (GUYWIRE)	1-270-370	1	-	
b	THIMBLE TYPE, CLEVIS	1-055-040	1	-	
c	BOLT, OVAL, EYE, 5/8" x 12", w/NUT	1-325-080	1	-	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	1	-	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	-	
f	CONNECTOR, PRI. GRVE. COMP., #2/7	1-075-250	2	-	
g	DEADEND, GUYSTRAND, AUTOMATIC, 7#6 AW	1-270-367	-	1	
h	CLEVIS, THIMBLE, 2 1/4"	1-055-055	-	1	
i	BOLT, OVAL, EYE, 3/4" x 12", w/NUT	1-325-099	-	1	
j	WASHER, SQUARE, CURVED, 4"	1-325-780	-	2	
k	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	-	1	
l	CONNECTOR, PRI. GRVE. COMP., #5/7	1-075-260	-	1	

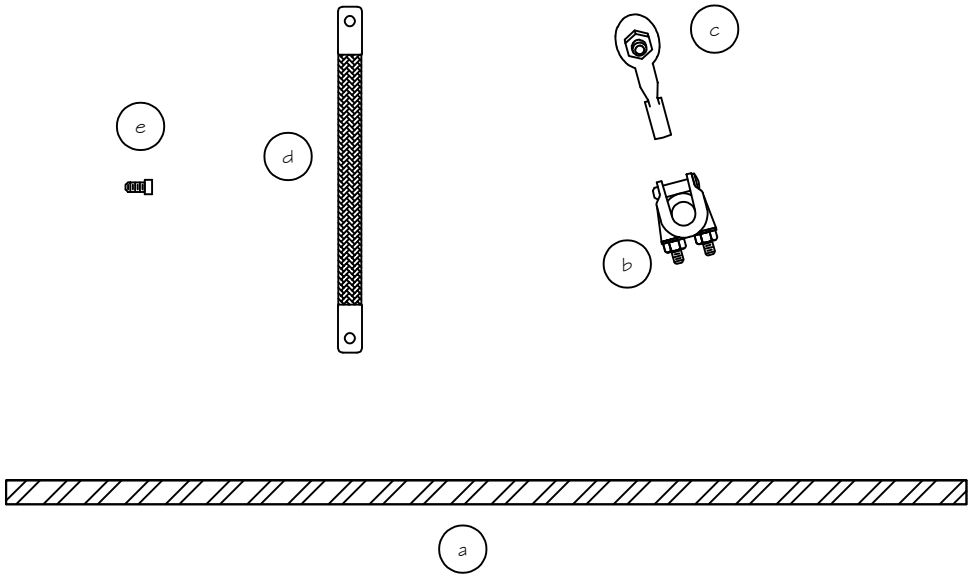
CONDUCTOR ATTACHMENT OHGW LINE DEADEND

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

ASSEMBLY ID.

CAGD38SB
CAGD7#6B



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAGT7#6			
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	RODS, ARMOR, 7#6 ALUMOWELD	1-255-037	1			
b	CLAMP, SUSPENSION, 0.5" - 1.0"	1-050-155	1			
c	Y - CLEVIS, EYE 90, 3/4", 30,000#	1-055-085	1			
d	SHUNT, FLEXIBLE BRAIDED, 12"	1-075-484	1			
e	BOLT, GALVANIZED, 1/2" x 1" (13 THREAD)	1-325-262	1			

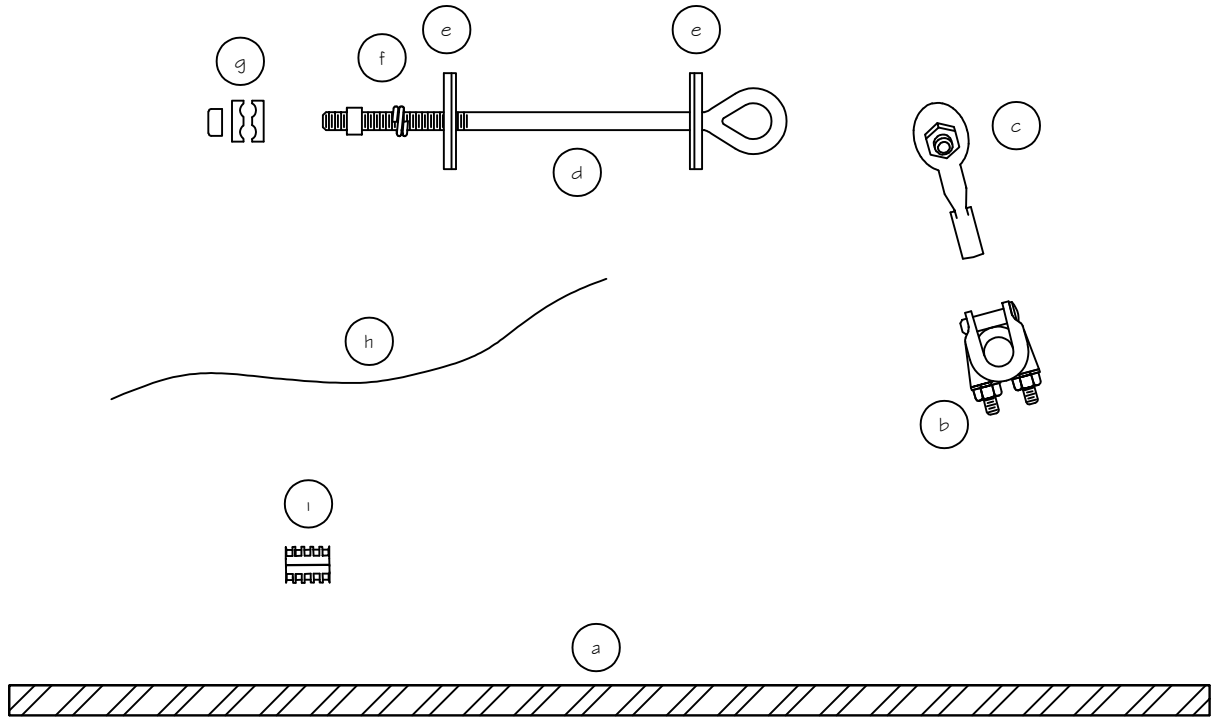
CONDUCTOR ATTACHMENT OHGW LINE TANGENT/ANGLE - 7#6 AW

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAGT7#6



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAGT7#6B			
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	RODS, ARMOR, 7#6 ALUMOWELD	1-255-037	1			
b	CLAMP, SUSPENSION, 0.5" - 1.0"	1-050-155	1			
c	Y - CLEVIS, EYE 90, 3/4", 30,000#	1-055-085	1			
d	BOLT, OVAL, EYE, 3/4" x 12" w/NUT	1-325-099	1			
e	WASHER, SQUARE, CURVED, 4"	1-325-780	2			
f	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	1			
g	CLAMP, GROUNDING, 3/4"	1-050-069	1			
h	CONDUCTOR, #2 AWG CU. SOFT	1-065-025	5'			
i	CONNECTOR, PRL. GRVE., #5/7	1-075-260	1			

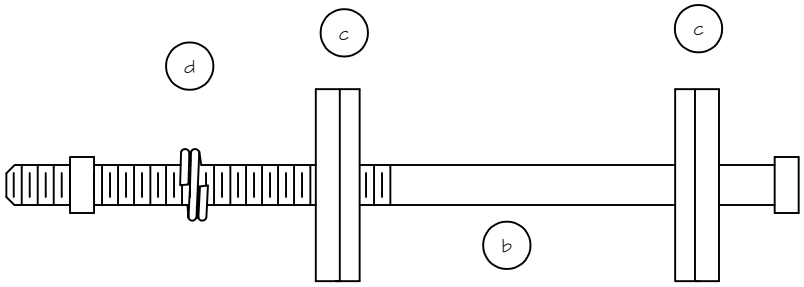
CONDUCTOR ATTACHMENT OHGW LINE TANGENT/ANGLE(EYEBOLT) - 7#6 AW

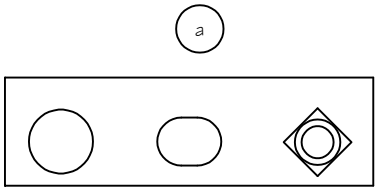
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAGT7#6B





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAGT38SB QUANTITY	QUANTITY	QUANTITY
a	CLAMP, CABLE SUSP., 3/8"	1-050-040	1		
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1		
c	WASHER, SQUARE, CURVED, 3"	1-325-760	2		
d	WASHER, DOUBLED COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1		

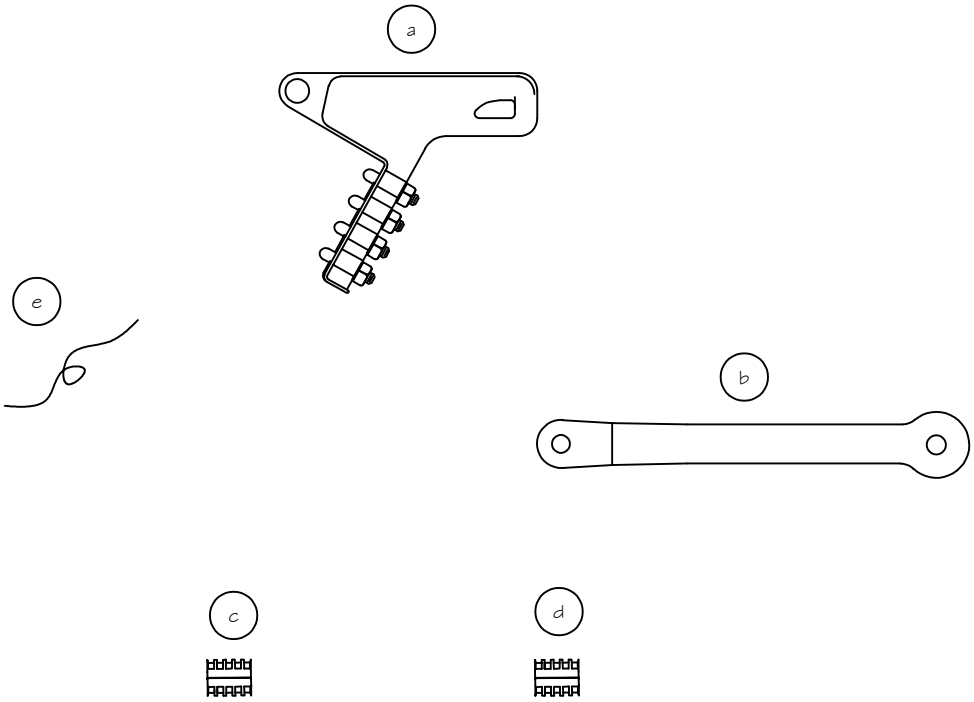
CONDUCTOR ATTACHMENT OHGW LINE TANGENT - 3/8" HSS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAGT38SB



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALD7#6H QUANTITY	QUANTITY	QUANTITY
a	CLAMP, QUADRANT DEADEND, 7#6 AW	1-050-147	1		
b	LINK, CLEVIS EYE EXT., 3/4" x 12"	1-105-113	1		
c	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1		
d	CONNECTOR, PRL. GRVE. COMP., #2 CU	1-075-314	1		
e	CONDUCTOR, #2 SOFT DRAWN CU	1-065-027	1 lb		

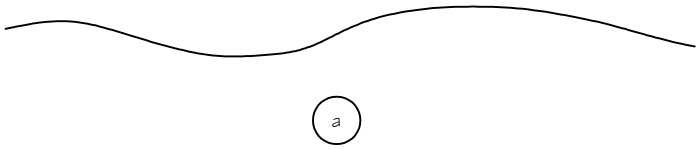
CONDUCTOR ATTACHMENT LINE DEADEND - 7#6 AW 230 KV

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALD7#6H



------NOTE------
USE "CALT999TL" FOR TYING
CONDUCTORS 4/0 AND LARGER.

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALT999T	CALT999TL	CALT888T	
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	6'	8'	-	
a	SIMPLEX, SOLID BARE, COPPER, SOFT, #6	1-065-060	-	-	4'	

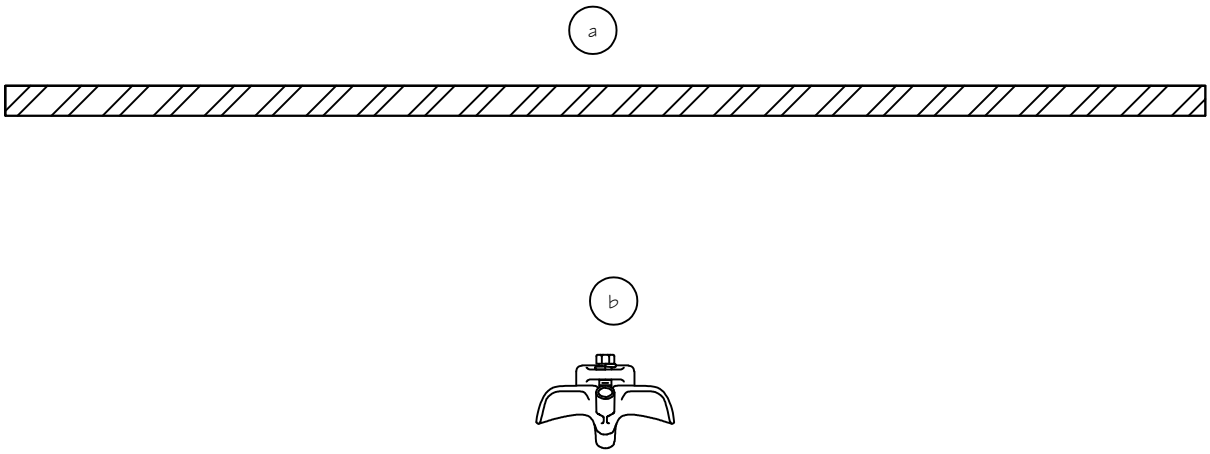
CONDUCTOR ATTACHMENT TANGENT LINE CONSTRUCTION SINGLE/DOUBLE PIN (HAND TIES ONLY)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised:NOVEMBER 17, 2004

ASSEMBLY ID.

CALT999T
CALT999TL
CALT888T



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALA040C	CALA010C	
			QUANTITY	QUANTITY	QUANTITY
a	RODS, ARMOR, 4/0 ACSR/AAAC	1-255-030	1	-	
b	RODS, ARMOR, 1/0 ACSR/AAAC	1-255-020	-	1	
c	CLAMP, LINE POST, 0.501.0", ANG.	1-050-136	1	1	

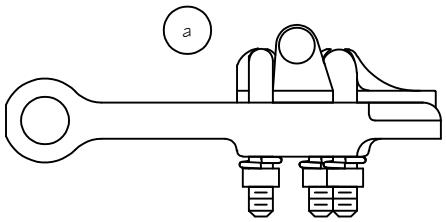
CONDUCTOR ATTACHMENT ANGLE LINE CONSTRUCTION CLAMPED 4/0 AND 1/0

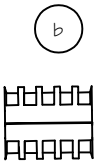
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALA040C
CALA010C





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALD040	CALD010	CALD002
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. STRAIGHT D.E. 4/0 - 477	1-105-080	1	-	-
a	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 - 2/0	1-050-149	-	1	1
b	CONNECTOR, PRL. GVE. COMP. #7/7	1-075-270	1	-	-
b	CONNECTOR, PRL. GVE. COMP. #4/7	1-075-260	-	1	-
b	CONNECTOR, PRL. GVE. COMP. #1/7	1-075-245	-	-	1

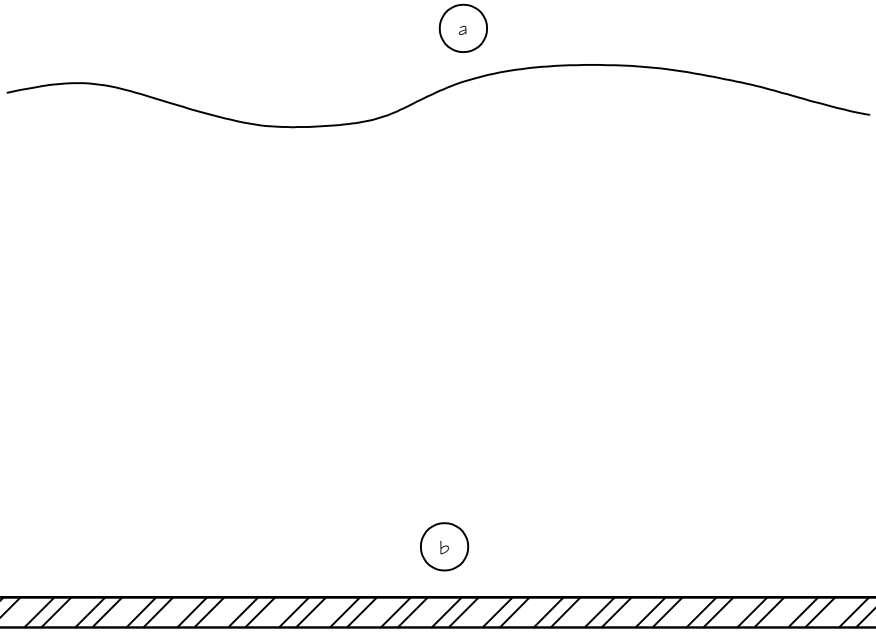
CONDUCTOR ATTACHMENT LINE DEADENDS FOR PRIMARY 4/0 ACSR/ AAAC- #2 ACSR/ AAAC

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED:FEBRUARY 10, 2009

ASSEMBLY ID.

CALD040
CALD010
CALD002



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALA477T	CALA336T	CALA04OT	CALA01OT
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	8'	8'	8'	8'
b	RODS, ARMOR, 477 AAC	1-255-045	1	-	-	-
b	RODS, ARMOR, 336, 18/1 ACSR	1-255-040	-	1	-	-
b	RODS, ARMOR, 4/0 ACSR/AAAC	1-255-030	-	-	1	-
b	RODS, ARMOR, 1/0 ACSR/AAAC	1-255-020	-	-	-	1

CONDUCTOR ATTACHMENT ANGLE LINE CONSTRUCTION SINGLE/DOUBLE PIN HAND TIES

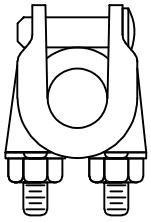
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

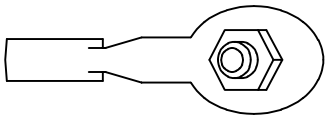
ASSEMBLY ID.

CALA477T
CALA336T
CALA04OT
CALA01OT

a



b



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALJ477	CALJ336		
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. SUSP., 0.75" - 1.12"	1-050-160	1	-		
b	CLAMP, AL. SUSP., 0.5" - 1.0"	1-050-155	-	1		
d	Y - CLEVIS EYE 90, 3/4", 30,000#	1-055-085	1	1		

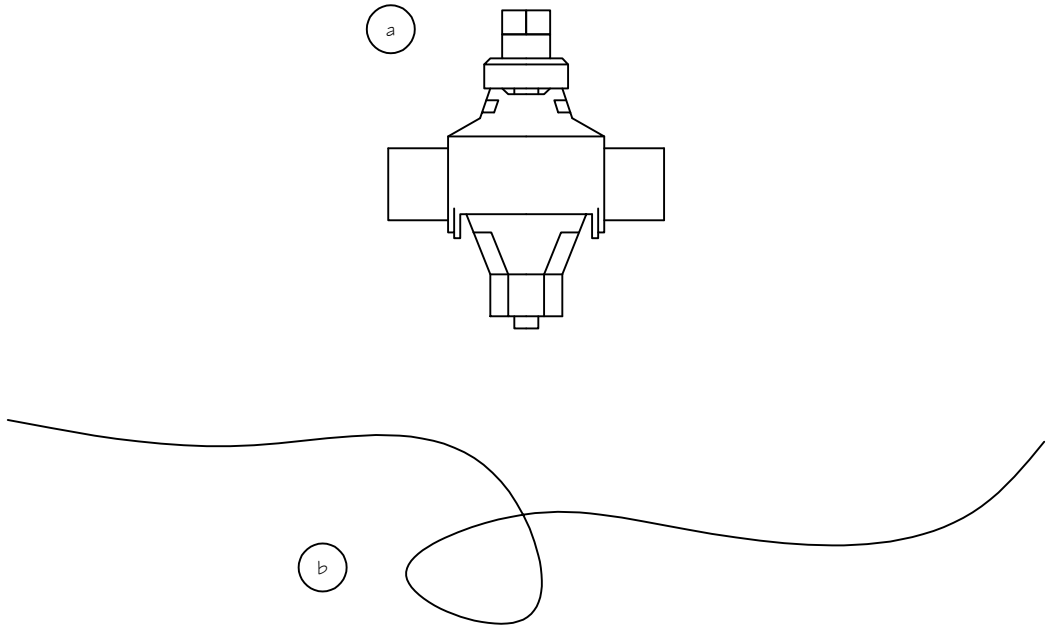
CONDUCTOR ATTACHMENT LINE JUMPER 477 AND 336 MCM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALJ477
CALJ336



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAPC10XX QUANTITY	QUANTITY	QUANTITY
a	CONNECTOR, INSULATION PIERCING, 4/0 - #10	1-075-600	1		
b	TIE, SPOOL, SECONDARY	1-160-300	1		

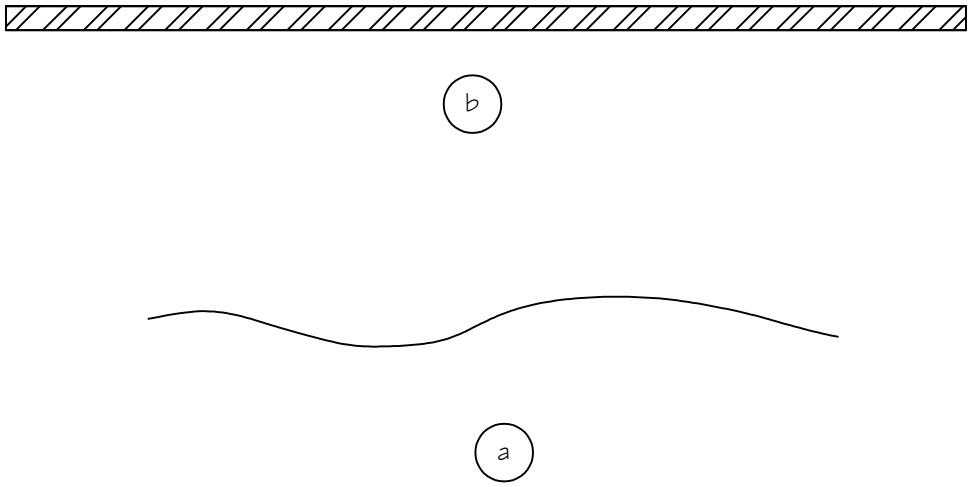
CONDUCTOR ATTACHMENT TANGENT LINE CONSTRUCTION PRE FORM for COVERED CONDUCTOR w/ PIERCING CONNECTOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: OCTOBER 8, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAPC10XX



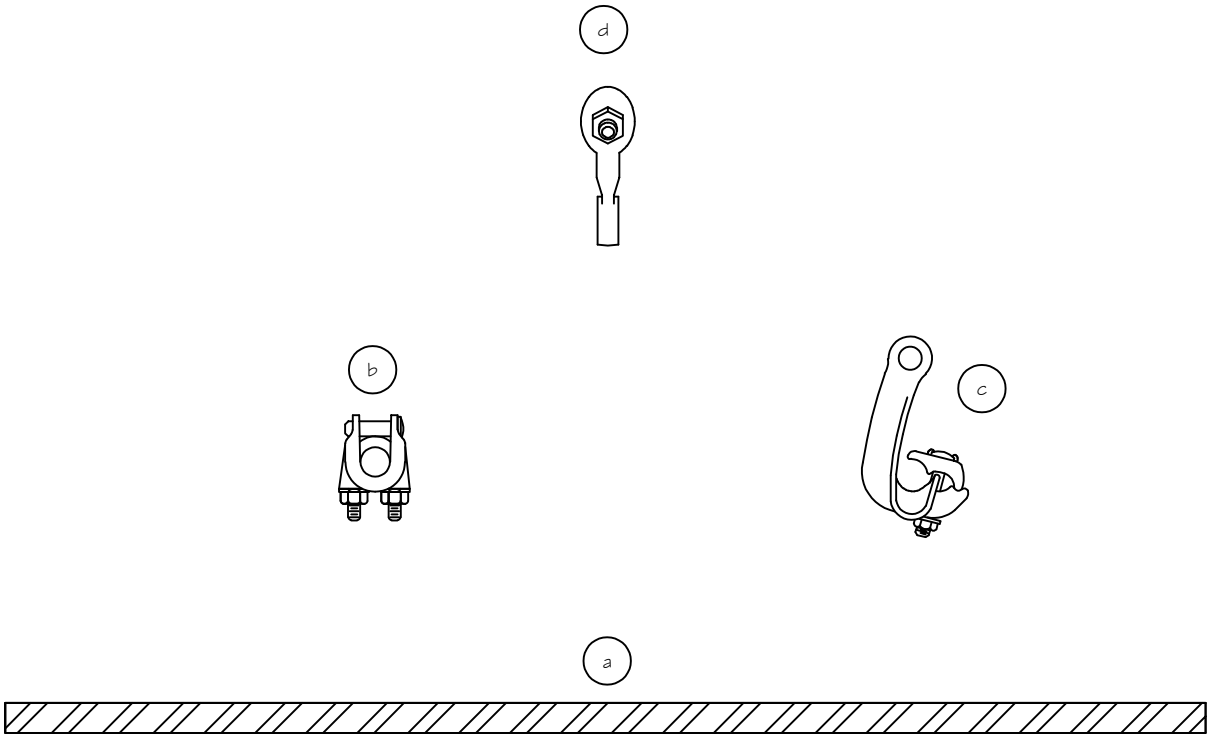
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALL040T	CALL010T	CALL477T	CALL336T
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	WIRE, TIE, #4 SOLID ALUMINUM	1-065-010	8'	8'	8'	8'
b	RODS, ARMOR, 4/0 ACSR/AAAC	1-255-030	1	-	-	-
b	RODS, ARMOR, 1/0 ACSR/AAAC	1-255-020	-	1	-	-
b	RODS, ARMOR, 477 AAC	1-255-045	-	-	1	-
b	RODS, ARMOR, 336, 18/1 ACSR	1-255-040	-	-	-	1

CONDUCTOR ATTACHMENT TANGENT LINE CONSTRUCTION SINGLE/DOUBLE PIN HAND TIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

ASSEMBLY ID.
CALL040T
CALL010T
CALL477T
CALL336T



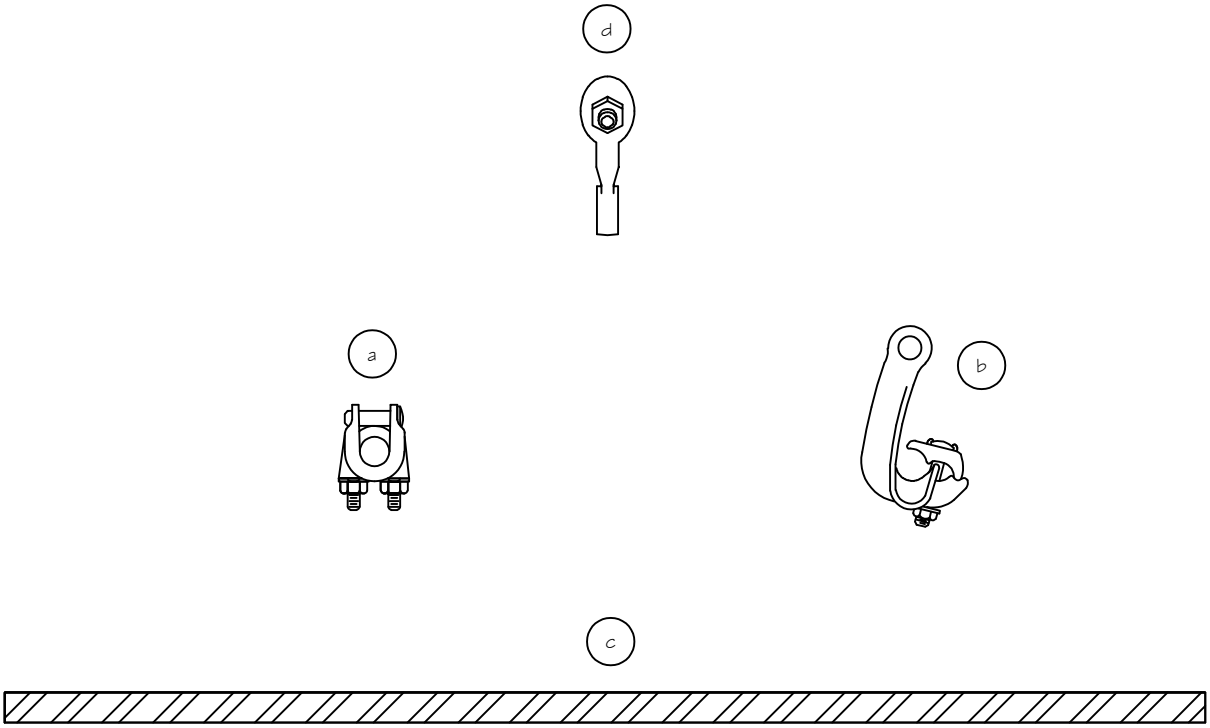
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALS336	CALS336A	CALS040	CALS040A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	RODS, ARMOR, 336 ASCR	1-255-040	1	1	-	-
a	RODS, ARMOR, 4/0 ASCR/AAAC	1-255-030	-	-	1	1
b	CLAMP, AL. SUSP., 0.75" - 1.12"	1-050-160	1	-	-	-
b	CLAMP, AL. SUSP., 0.5" - 1.0"	1-050-155	-	-	1	-
c	CLAMP, AL. ANGLE, 0.75" - 1.25"	1-050-010	-	1	-	-
c	CLAMP, AL. ANGLE, 0.5" - 1.0"	1-050-020	-	-	-	1
d	Y - CLEVIS EYE 90, 3/4", 30,000#	1-055-085	1	-	1	-

CONDUCTOR ATTACHMENT TANGENT/ANGLE LINE -SUSPENSION CLAMPS 336 AND 4/0

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S.COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CALS336
CALS336A
CALS040
CALS040A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALS010	CALS010A		
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. SUSP., 0.5" - 1.0"	1-050-155	1	-		
b	CLAMP, AL. ANGLE, 0.5" - 1.0"	1-050-020	-	1		
c	RODS, ARMOR, 1/0 ASCR/AAAC	1-255-020	1	1		
d	Y - CLEVIS EYE 90, 3/4", 30,000#	1-055-085	1	-		

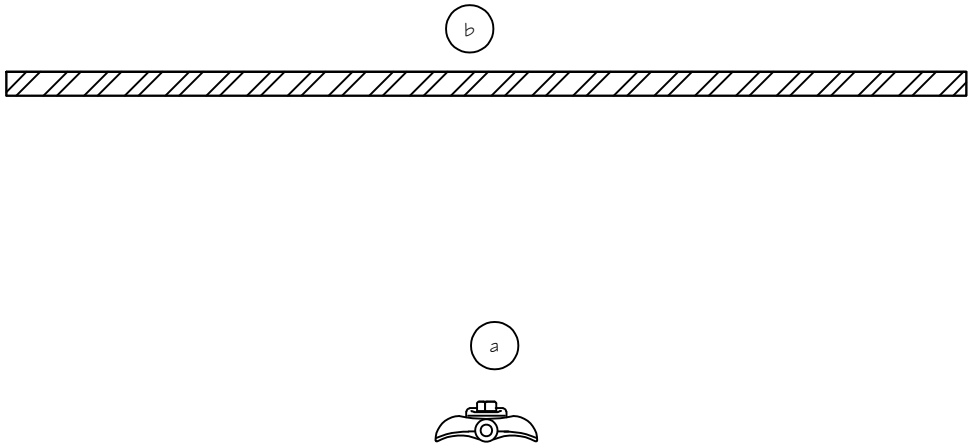
CONDUCTOR ATTACHMENT TANGENT/ANGLE LINE - SUSPENSION CLAMPS 1/0

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALS010
CALS010A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALT040C	CALT010C	
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, LINE POST, 0.5" - 1.0"	1-050-140	1	1	
b	RODS, ARMOR, 4/0 ACSR / AAAC	1-255-030	1	-	
b	RODS, ARMOR, 1/0 ACSR / AAAC	1-255-020	-	1	

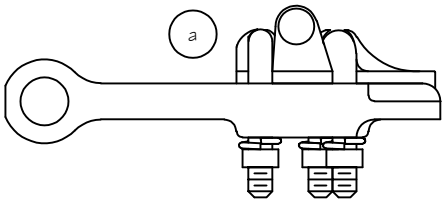
CONDUCTOR ATTACHMENT TANGENT / SMALL ANGLE LINE - CLAMPED 4/0 - 1/0

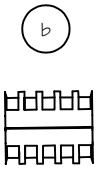
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CALT040C
CALT010C





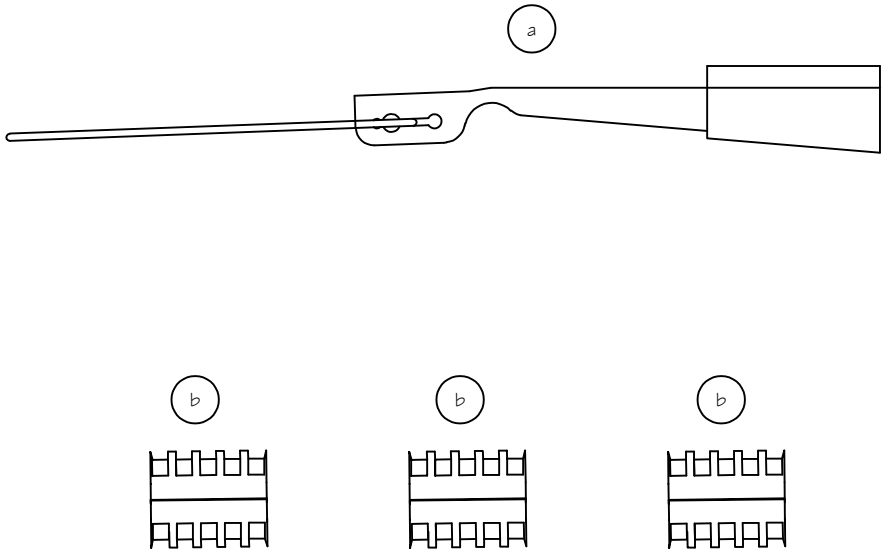
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALD40T	CALD20T	CALD02T
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. STRAIGHT D.E. 4/0 - 477 MCM	1-105-080	1	-	-
a	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 - 2/0	1-050-149	-	1	1
b	CONNECTOR, PRL. GVE. COMP. #7/7	1-075-270	3	-	-
b	CONNECTOR, PRL. GVE. COMP. #4/7	1-075-260	-	3	-
b	CONNECTOR, PRL. GVE. COMP. #1/7	1-075-245	-	-	3

CONDUCTOR ATTACHMENT LINE DEADENDS FOR TRIPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: FEBRUARY 10, 2009

ASSEMBLY ID.
CALD40T
CALD20T
CALD02T



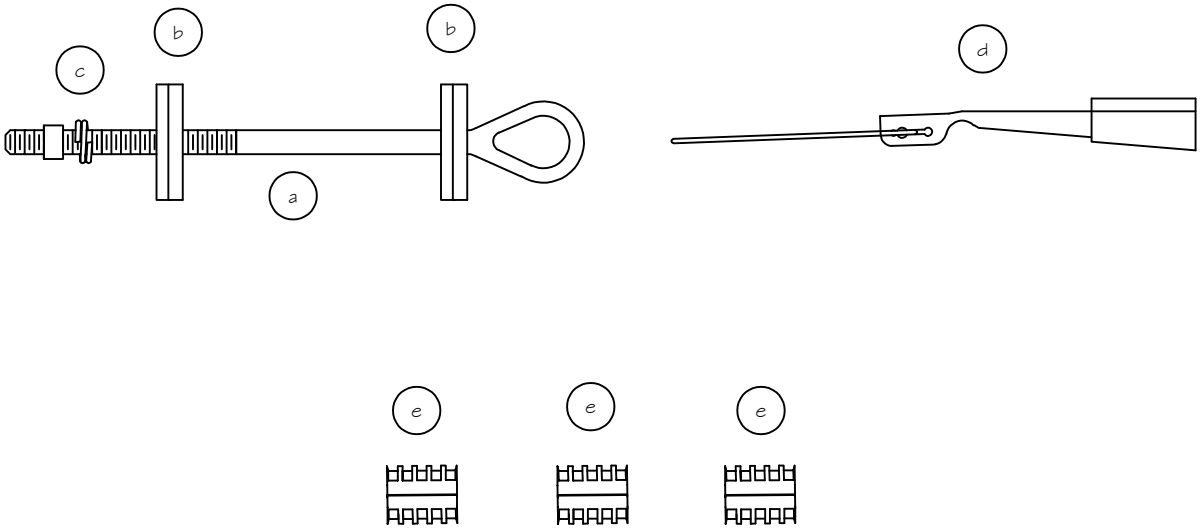
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CASD40T	CASD20T	CASD02T	CASD06T
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	1	1	-	-
a	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	1	-
a	CLAMP, AL. SERV. WEDGE, #6 - #2	1-050-230	-	-	-	1
b	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	3	-	-	-
b	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	3	-	-
b	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	3	-
b	CONNECTOR PRL. GRVE. COMP., #1/7	1-075-245	-	-	-	3

CONDUCTOR ATTACHMENT SERVICE DEADEND ON EXISTING SUPPORT FOR TRIPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CASD40T
CASD20T
CASD02T
CASD06T



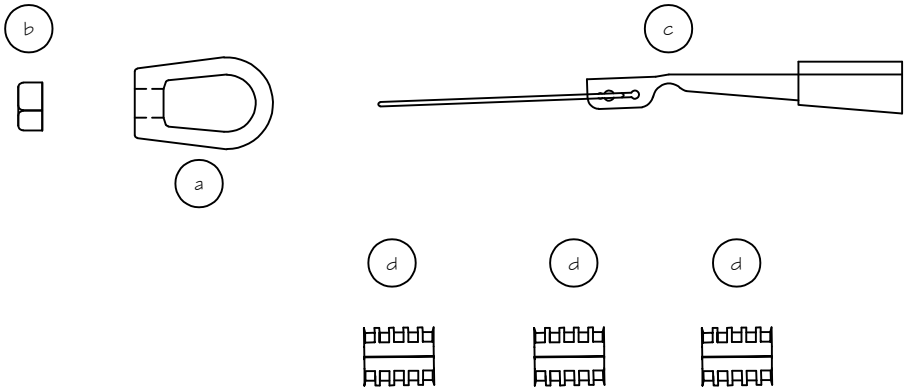
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CASD40TB	CASD20TB	CASD02TB	CASD06TB
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	BOLT, OVAL EYE, 5/8" x 12" w/ NUT	1-325-080	1	1	1	1
b	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	1	1
d	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	1	1	-	-
d	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	1	-
d	CLAMP, AL. SERV. WEDGE, #6 - #2	1-050-230	-	-	-	1
e	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	3	-	-	-
e	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	3	-	-
e	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	3	-
e	CONNECTOR PRL. GRVE. COMP., #1/7	1-075-245	-	-	-	3

CONDUCTOR ATTACHMENT SERVICE DEADEND ON EYEBOLT FOR TRIPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CASD40TB
CASD20TB
CASD02TB
CASD06TB



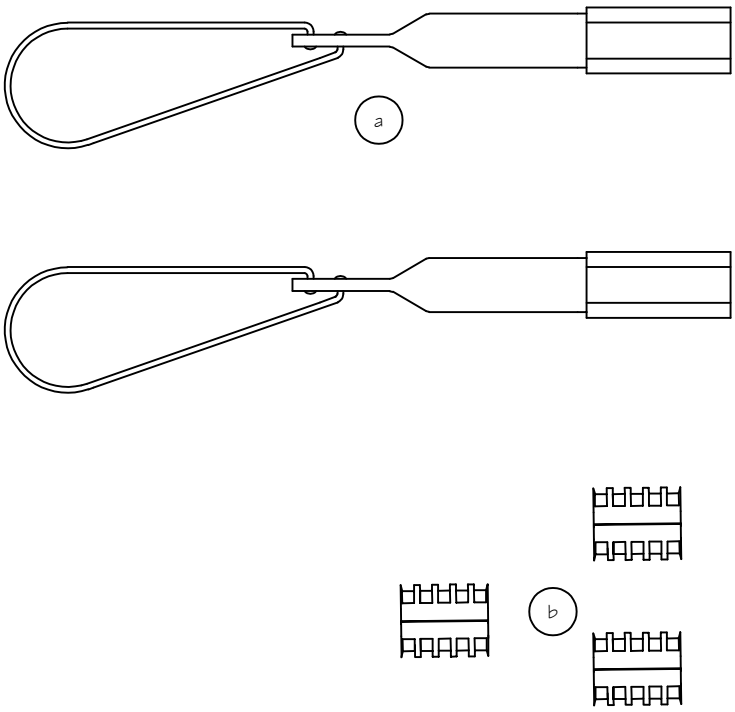
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CASD40TN	CASD20TN	CASD02TN	CASD06TN
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	1	1	-	-
a	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	1	-
a	CLAMP, AL. SERV. WEDGE, #6 - #2	1-050-230	-	-	-	1
b	NUT, EYE, GALV., 5/8"	1-325-525	1	1	1	1
c	NUT, SQUARE, 5/8"	1-325-535	1	1	1	1
d	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	3	-	-	-
d	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	3	-	-
d	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	3	-
d	CONNECTOR PRL. GRVE. COMP., #1/7	1-075-245	-	-	-	3

CONDUCTOR ATTACHMENT SERVICE DEADEND ON EYENUT FOR TRIPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CASD40TN
CASD20TN
CASD02TN
CASD06TN



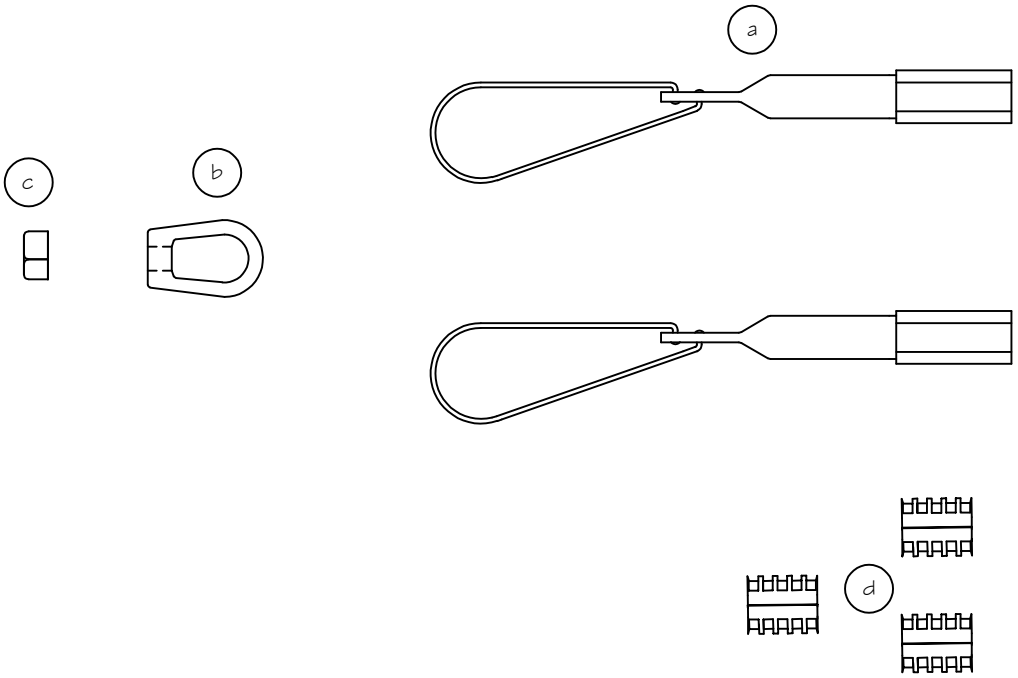
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAST40T	CAST20T	CAST02T	CAST06T
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	2	2	-	-
a	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	2	-
a	CLAMP, AL. SERV. WEDGE, #6 - #2	1-050-230	-	-	-	2
b	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	3	-	-	-
b	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	3	-	-
b	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	3	-
b	CONNECTOR PRL. GRVE. COMP., #1/7	1-075-245	-	-	-	3

CONDUCTOR ATTACHMENT SERVICE TANGENT / ANGLE ON EXISTING SUPPORT FOR TRIPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30 ,2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CAST40T
CAST20T
CAST02T
CAST06T



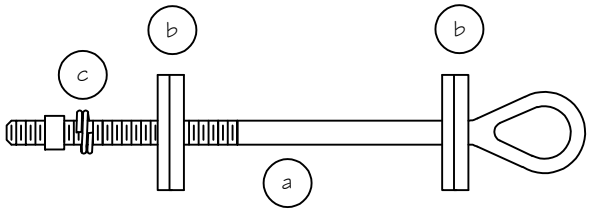
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAST40TN	CAST20TN	CAST02TN	CAST06TN
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	2	2	-	-
a	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	2	-
a	CLAMP, AL. SERV. WEDGE, #6 - #2	1-050-230	-	-	-	2
b	NUT, EYE, GALV., 5/8"	1-325-525	1	1	1	1
c	NUT, SQUARE, 5/8"	1-325-535	1	1	1	1
d	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	3	-	-	-
d	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	3	-	-
d	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	3	-
d	CONNECTOR PRL. GRVE. COMP., #1/7	1-075-245	-	-	-	3

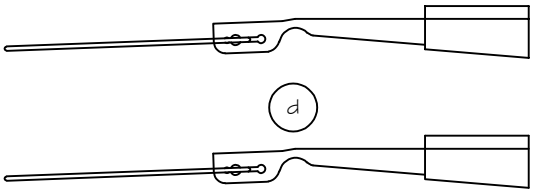
CONDUCTOR ATTACHMENT SERVICE TANGENT / ANGLE ON EYENUT FOR TRIPLEX

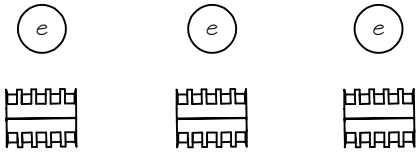
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CAST40TN
CAST20TN
CAST02TN
CAST06TN







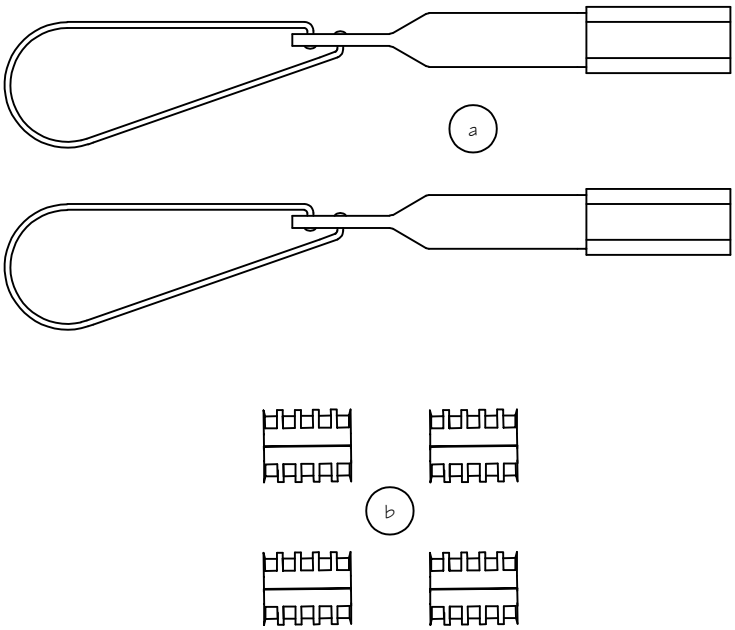
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAST40TB	CAST20TB	CAST02TB	CAST06TB
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	BOLT, OVAL EYE, 5/8" x 12" w/ NUT	1-325-080	1	1	1	1
b	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	1	1
d	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	2	2	-	-
d	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	2	-
d	CLAMP, AL. SERV. WEDGE, #6 - #2	1-050-230	-	-	-	2
e	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	3	-	-	-
e	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	3	-	-
e	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	3	-
e	CONNECTOR PRL. GRVE. COMP., #1/7	1-075-245	-	-	-	3

CONDUCTOR ATTACHMENT SERVICE TANGENT / ANGLE ON EYEBOLT FOR TRIPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CAST40TB
CAST20TB
CAST02TB
CAST06TB



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAST40Q QUANTITY	CAST20Q QUANTITY	CAST02Q QUANTITY
a	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	2	2	-
a	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	2
b	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	4	-	-
b	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	4	-
b	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	4

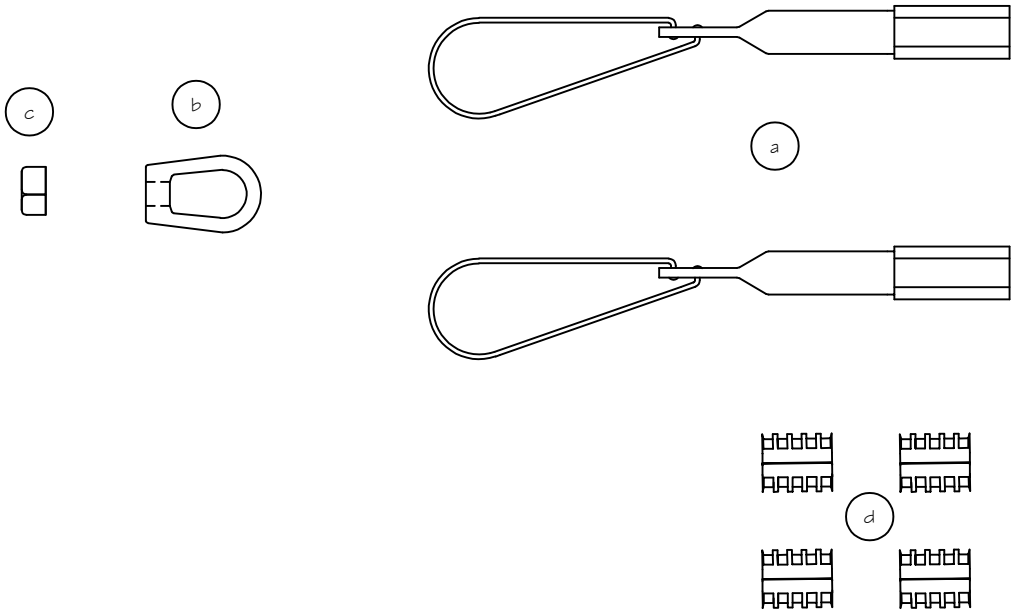
CONDUCTOR ATTACHMENT SERVICE TANGENT / ANGLE ON EXISTING SUPPORT FOR QUADRUPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAST40Q
CAST20Q
CAST02Q



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAST40QN QUANTITY	CAST20QN QUANTITY	CAST02QN QUANTITY
a	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	2	2	-
a	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	2
b	NUT, EYE, GALV., 5/8"	1-325-525	1	1	1
c	NUT, SQUARE, 5/8"	1-325-535	1	1	1
d	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	4	-	-
d	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	4	-
d	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	4

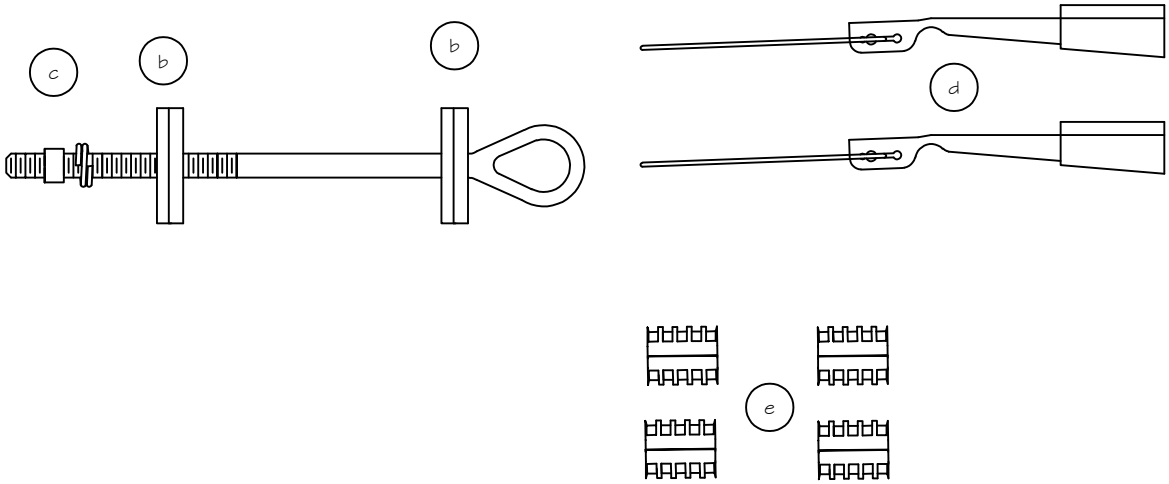
CONDUCTOR ATTACHMENT SERVICE TANGENT / ANGLE ON EYENUT FOR QUADRUPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAST40QN
CAST20QN
CAST02QN



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAST40QB	CAST20QB	CAST02QB
			QUANTITY	QUANTITY	QUANTITY
a	BOLT, OVAL EYE, 5/8" x 12" w/ NUT	1-325-080	1	1	1
b	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	1
d	CLAMP, AL. SERVICE WEDGE, 2/0 - 4/0	1-050-220	2	2	-
d	CLAMP, AL. SERVICE WEDGE, #4 - 1/0	1-050-210	-	-	2
e	CONNECTOR, PRL. GRVE. COMP., #7/7	1-075-270	4	-	-
e	CONNECTOR, PRL. GRVE. COMP., #4/7	1-075-255	-	4	-
e	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	-	-	4

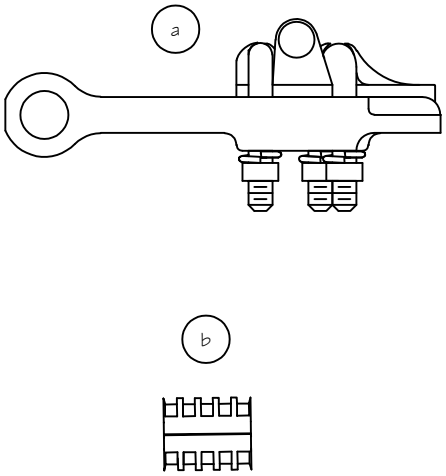
CONDUCTOR ATTACHMENT SERVICE TANGENT/ANGLE ON EYEBOLT FOR QUADRUPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAST40QB
CAST20QB
CAST02QB



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CALD40Q QUANTITY	CALD20Q QUANTITY	CALD02Q QUANTITY
a	CLAMP, AL. STRAIGHT D.E. 4/0 - 477 MCM	1-105-080	1	-	-
a	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 - 2/0	1-050-149	-	1	1
b	CONNECTOR, PRL. GVE. COMP. #7/7	1-075-270	4	-	-
b	CONNECTOR, PRL. GVE. COMP. #4/7	1-075-260	-	4	-
b	CONNECTOR, PRL. GVE. COMP. #1/7	1-075-245	-	-	4

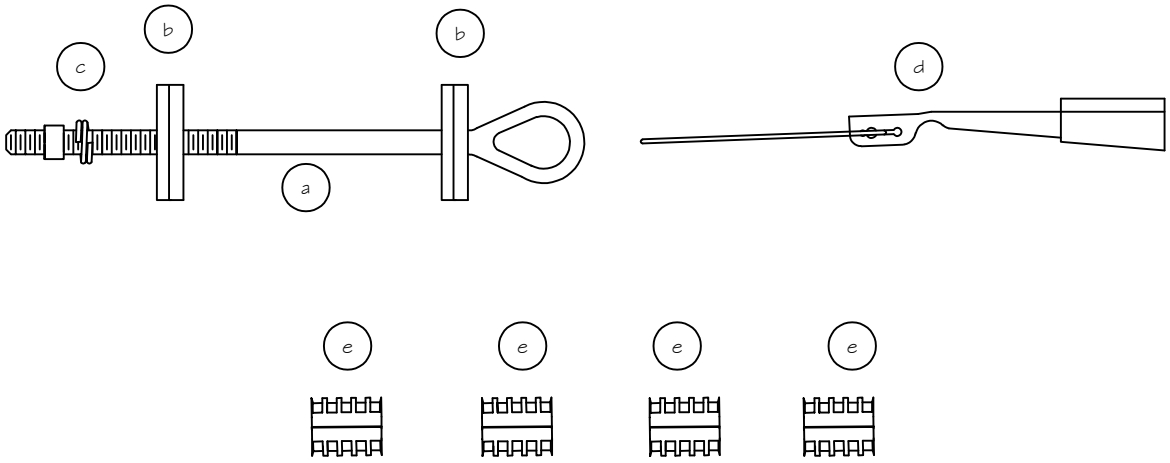
CONDUCTOR ATTACHMENT LINE DEADENDS FOR QUADRUPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED:FEBRUARY 10, 2009

ASSEMBLY ID.

CALD40Q
CALD20Q
CALD02Q



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CASD40QB	CASD20QB	CASD02QB
			QUANTITY	QUANTITY	QUANTITY
a	BOLT, OVAL EYE, 5/8" x 12" w/ NUT	1-325-080	1	1	1
b	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	1
d	CLAMP, AL. SERVICE WEDGE, 2/0 - 4/0	1-050-220	1	1	-
d	CLAMP, AL. SERVICE WEDGE, #4 - 1/0	1-050-210	-	-	1
e	CONNECTOR, PRL. GRVE. COMP., #7/7	1-075-270	4	-	-
e	CONNECTOR, PRL. GRVE. COMP., #4/7	1-075-255	-	4	-
e	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	-	-	4

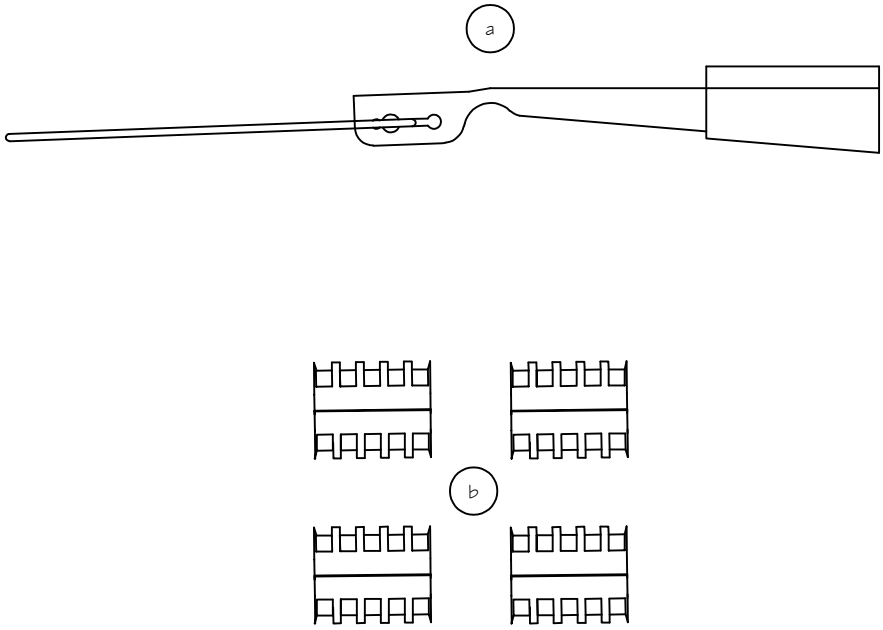
CONDUCTOR ATTACHMENT SERVICE DEADEND ON EYEBOLT FOR QUADRUPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CASD40QB
CASD20QB
CASD02QB



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CASD40Q QUANTITY	CASD20Q QUANTITY	CASD02Q QUANTITY
a	CLAMP, AL. SERV. WEDGE, 2/0 - 4/0	1-050-220	1	1	-
a	CLAMP, AL. SERV. WEDGE, #4 - 1/0	1-050-210	-	-	1
b	CONNECTOR PRL. GRVE. COMP., #7/7	1-075-270	4	-	-
b	CONNECTOR PRL. GRVE. COMP., #4/7	1-075-255	-	4	-
b	CONNECTOR PRL. GRVE. COMP., #2/7	1-075-250	-	-	4

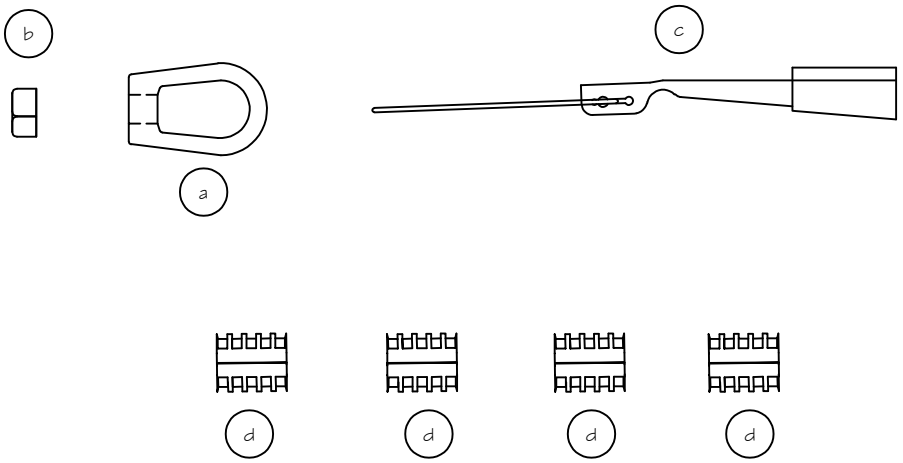
CONDUCTOR ATTACHMENT SERVICE DEADEND ON EXISTING SUPPORT FOR QUADRUPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CASD40Q
CASD20Q
CASD02Q



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CASD40QN QUANTITY	CASD20QN QUANTITY	CASD02QN QUANTITY
a	NUT, EYE, GALV., 5/8"	1-325-525	1	1	1
b	NUT, SQUARE, 5/8"	1-325-535	1	1	1
c	CLAMP, AL. SERVICE WEDGE, 2/0 - 4/0	1-050-220	1	1	-
c	CLAMP, AL. SERVICE WEDGE, #4 - 1/0	1-050-210	-	-	1
d	CONNECTOR, PRL. GRVE. COMP., #7/7	1-075-270	4	-	-
d	CONNECTOR, PRL. GRVE. COMP., #4/7	1-075-255	-	4	-
d	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	-	-	4

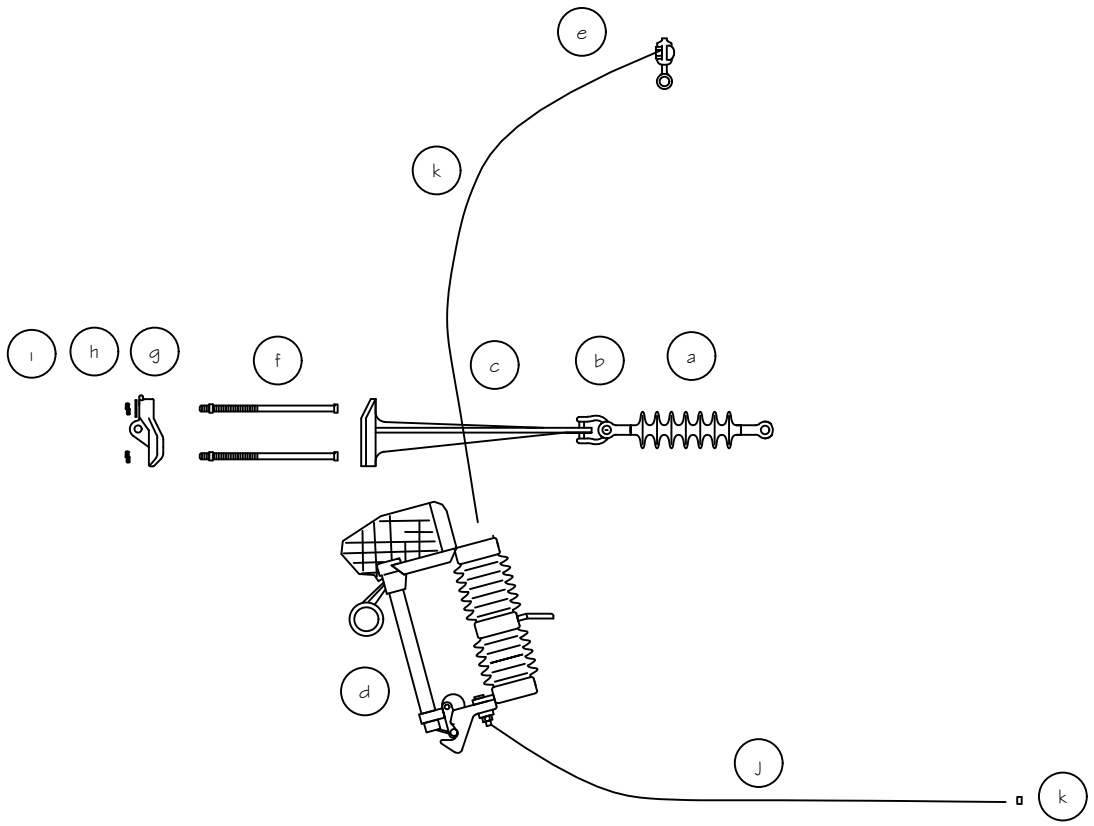
CONDUCTOR ATTACHMENT SERVICE DEADEND ON EYENUT FOR QUADRUPLEX

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CASD40QN
CASD20QN
CASD02QN



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DEOS25	DEOS25B	
			QUANTITY	QUANTITY	QUANTITY
a	INSULATOR, 1- PIECE, DEADEND, 25KV, EXTENDED	1-160-026	1	1	
b	ANCHOR, SHACKLE, 5/8"	1-010-840	1	1	
c	MALLEABLE IRON FORGED BRACKET	1-025-160	1	1	
d	LOAD BREAK CUTOUT, 100 AMP, 25 KV SWITCH	1-280-260	1	-	
e	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1	-	
f	BOLT, MACHINE, 5/8" x 14"	1-325-185	2	1	
g	ATTACHMENT, GUY, COMBINATION, 5/8"	1-010-887	1	-	
h	WASHER, FLAT, ROUND, 5/8"	1-325-720	1	-	
i	WASHER, SPRING LOCK, 5/8"	1-325-733	2	1	
j	CONDUCTOR, #4 BARE CU (Note:Item is not part of material issued)	1-065-040	8'	-	
k	CONNECTOR, PRL., GRV., COMP., #4	1-075-313	1	-	
l	WASHER, SQUARE/CURVED, 3"	1-325-760	-	1	
m	BOLT, LAG, 1/2' x 4"	1-325-150	-	1	

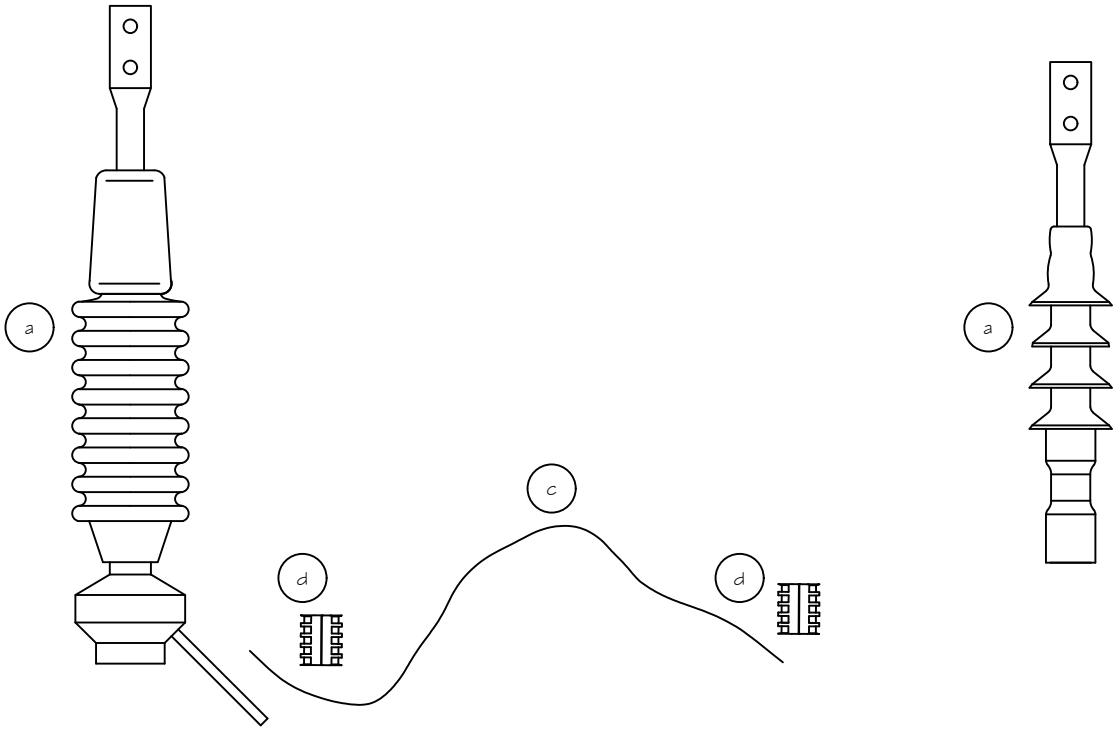
1Ø OFFSET PRIMARY DEADEND
with and w/o CUTOUT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 21, 2013

ASSEMBLY ID.

DEOS25
DEOS25B



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	TERM750	TERM750C	
			QUANTITY	QUANTITY	QUANTITY
a	TERMINATOR, FOR 750 AL 25KV, OUTDOOR	1-290-120	1	-	
a	TERMINATOR, COLD SHRINK, 750 AL CN 25 KV, OUTDOOR	1-290-125	-	1	
c	CONDUCTOR, #4 CU SOFT	1-065-040	4'	-	
d	CONNECTOR, PRL. GRVE. COMP., #4/7	1-075-255	2	-	

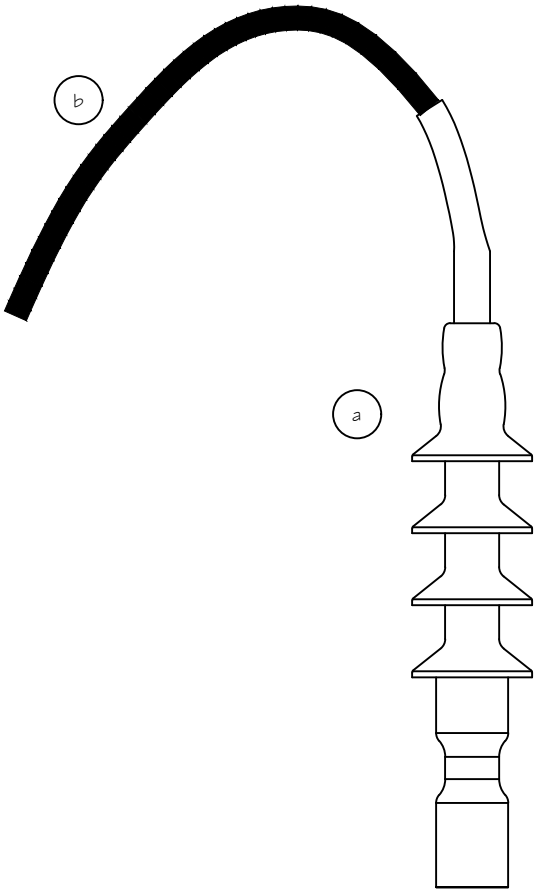
TERMINATORS FOR 750 AL PRIMARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised:NOVEMBER 16, 2004

ASSEMBLY ID.

TERM750
TERM750C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	TERM10 QUANTITY	QUANTITY	QUANTITY
a	TERMINATOR FOR 1/0 25 KV, COLD SHRINK	1-290-111	1		
b	CABLE, APPARATUS, #4 CU	1-065-206	8'		

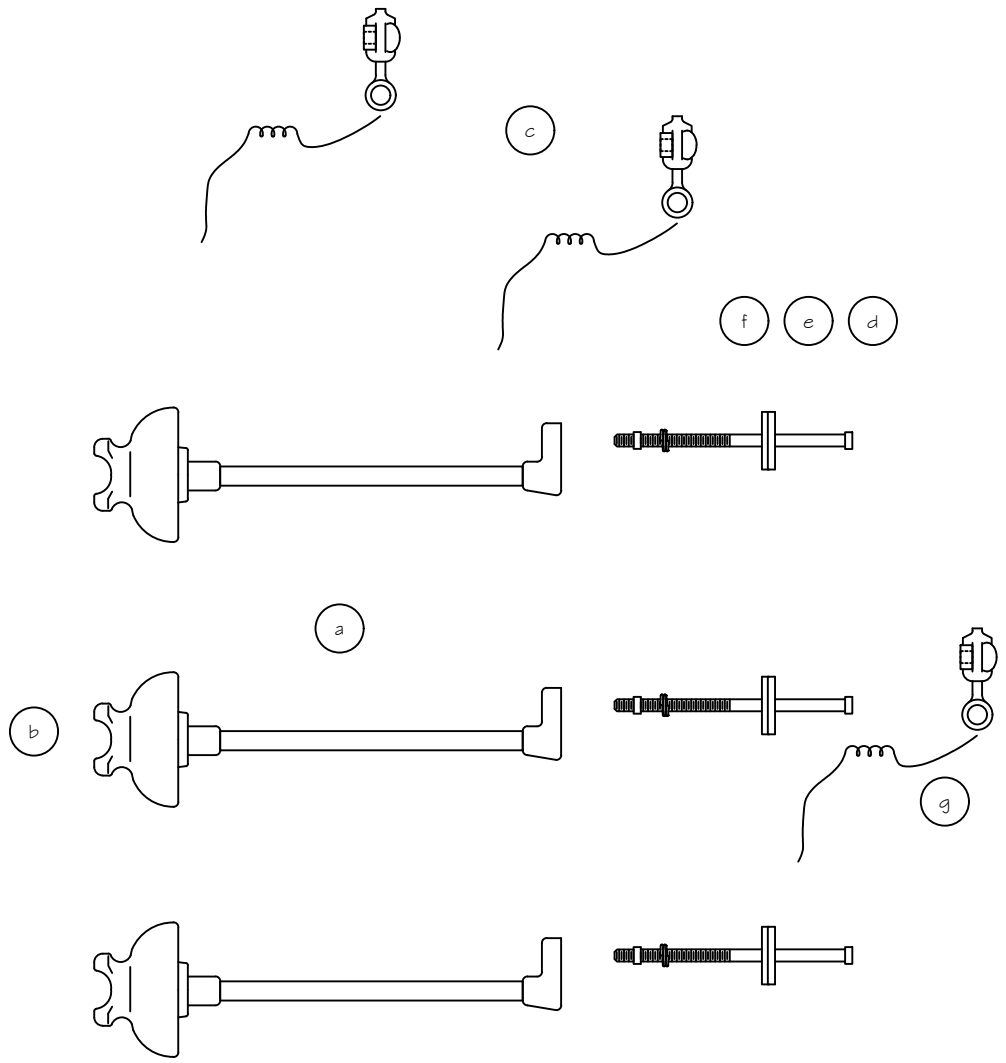
TERMINATOR FOR 1/0 AL PRIMARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

TERM10



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	RIS3T QUANTITY	QUANTITY	QUANTITY
a	BRACKET, FIBERGLASS, DOWNLEAD, 24"	1-025-245	3		
b	INSULATOR, PINTYPE, ANSI 55-6, 25 KV	1-160-065	3		
c	CLAMP, HOT LINE	1-050-080	3		
d	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	3		
e	WASHER, SQUARE, CURVED, 3"	1-325-760	3		
f	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	3		
g	CONDUCTOR, #2 BARE CU.	1-065-025	30'		

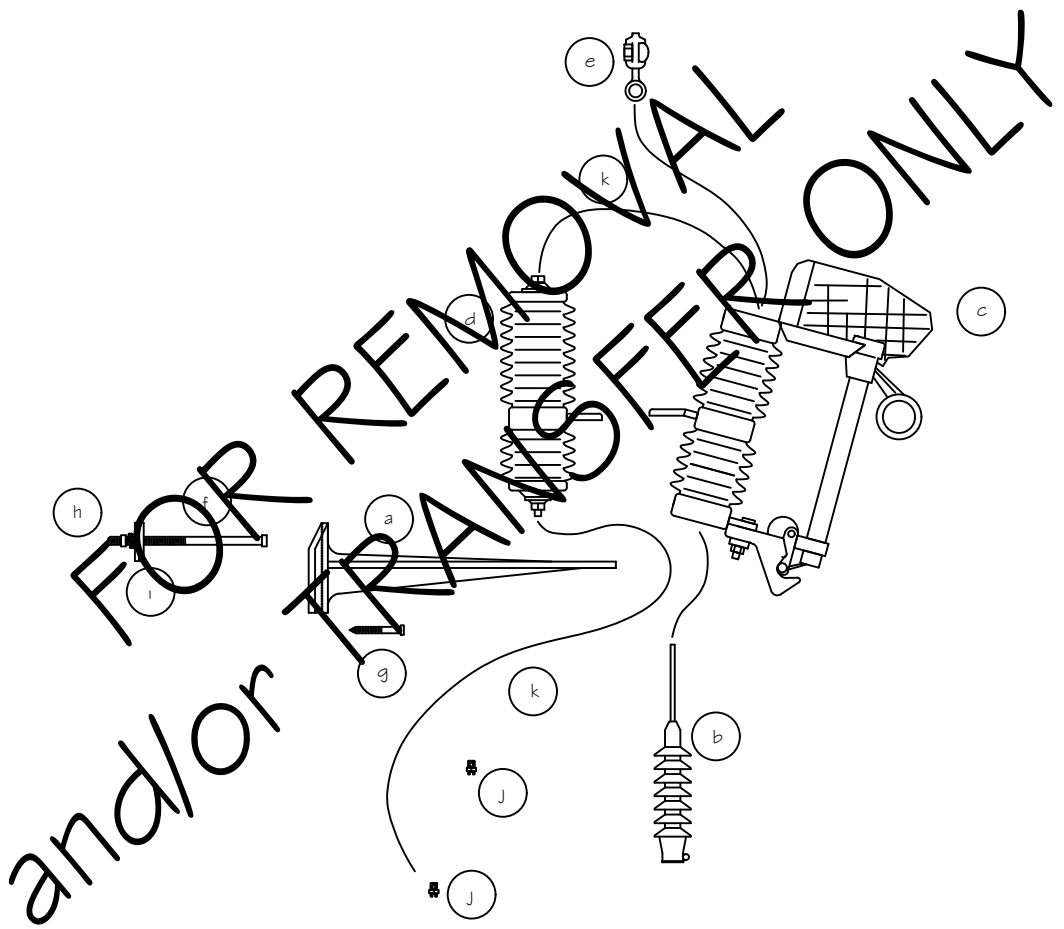
PRIMARY RISER 3Ø HORIZONTAL/VERTICAL TRANSITION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: AUG 12, 2008

ASSEMBLY ID.

RIS3T



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP10S15	DIP10S25	
			QUANTITY	QUANTITY	QUANTITY
a	MALLEABLE IRON FORGED BRACKET	1-025-160	1	1	
b	TERMINATOR, FOR 1/0AL 25KV, OUTDOOR	1-290-110	1	1	
c	LOAD BREAK CUTOUT, 100 AMP, 25KV, SWITCH	1-280-260	1	1	
d	ARRESTER, 10KV, RISER POLE	1-170-015	1	-	
d	ARRESTER, 21KV, RISER POLE	1-170-035	-	1	
e	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1	1	
f	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1	1	
g	SCREW, LAG, 1/2" x 4"	1-325-145	1	1	
h	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	
i	WASHER, SQUARE, CURVED, 3"	1-325-760	1	1	
J	CONNECTOR, SPLIT-BOLT, #4 CU	1-075-010	2	2	
k	CONDUCTOR, #4 BARE CU	1-065-040	12'	12'	

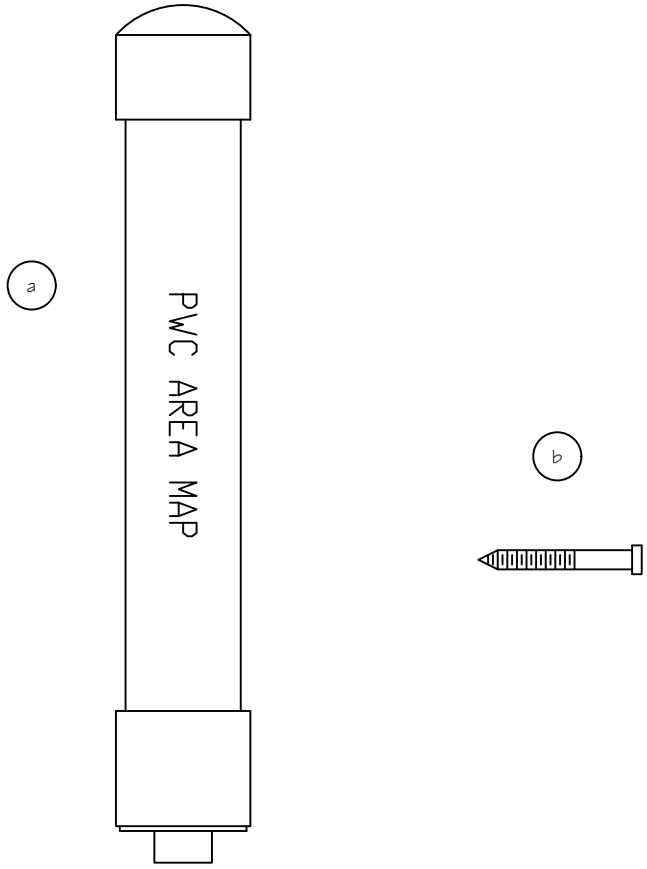
SINGLE PHASE
PRIMARY DIP

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30,2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 15, 2005

ASSEMBLY ID.

DIP10S15
DIP10S25



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	MAPHDR QUANTITY	QUANTITY	QUANTITY
a	HOLDER, MAP, 3" PVC	1-070-800	1		
b	SCREW, LAG, 1/2" x 4"	1-325-145	4		

MAP HOLDER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

MAPHDR

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PRIMARY/NEUTRAL -- FULL TENSION (Compression)		
SPLC002A	SLEEVE, FULL-TENSION, ALUMINUM 5005, #2	1-270-380	1
SPLC010A	SLEEVE, FULL-TENSION, ALUMINUM 5005, #1/0	1-270-390	1
SPLC336A	SLEEVE, FULL-TENSION, 336ACSR/355AAAC	1-270-400	1
SPLC477A	SLEEVE, FULL-TENSION, 477 AAC	1-270-405	1
SPLC954A	SLEEVE, FULL-TENSION, 954 AAC	1-270-410	1
SPLC040A	SLEEVE, TENSION, #4/0-7 STRAND AAAC AND 4/0-6/1 ACSR	1-270-460	1
	PRIMARY/NEUTRAL -- FULL TENSION (Automatic)		
SPLA006C	SLEEVE, AUTOMATIC, CU, #6	1-270-030	1
SPLA004C	SLEEVE, AUTOMATIC, CU, #4	1-270-040	1
SPLA002C	SLEEVE, AUTOMATIC, CU, #2	1-270-050	1
SPLA010C	SLEEVE, AUTOMATIC, CU, #1/0	1-270-060	1
SPLA020C	SLEEVE, AUTOMATIC, CU, #2/0	1-270-070	1
SPLA040C	SLEEVE, AUTOMATIC, CU, #4/0	1-270-080	1
SPLA014C	SPLICE, FULL-TENSION AUTOMATIC, $\frac{1}{4}$" SM	1-270-350	1
SPLA038H	SPLICE, FULL-TENSION AUTOMATIC, $\frac{3}{8}$" HSS	1-270-360	1
SPLA716S	SPLICE, FULL-TENSION AUTOMATIC, $\frac{7}{16}$" SM	1-270-362	1
SPLA076W	SPLICE, FULL-TENSION AUTOMATIC, 7#6 AW	1-270-805	1
SPLA002A	SPLICE, FULL-TENSION AUTOMATIC, #4 & #2 ACSR	1-270-808	1
SPLA004A	SPLICE, FULL-TENSION AUTOMATIC, #4 & #2 ACSR	1-270-808	1
SPLA010A	SPLICE, FULL-TENSION AUTOMATIC, 1/0 ACSR	1-270-810	1
SPLA040A	SPLICE, FULL-TENSION AUTOMATIC, 4/0 ACSR	1-270-820	1
SPLA336A	SPLICE, FULL-TENSION AUTOMATIC, 336 ACSR	1-270-830	1
SPLA477A	SPLICE, FULL-TENSION AUTOMATIC, 477 AAC	1-270-840	1
	PRIMARY/NEUTRAL REPAIR -- FULL TENSION (Compression)		
SPLR954A	SLEEVE, REPAIR, 954 AAC	1-270-130	1
SPLR477A	SLEEVE, REPAIR, 477 AAC	1-270-135	1
SPLR336A	SLEEVE, REPAIR, 336 ACSR	1-270-140	1
SPLR040A	SLEEVE, REPAIR, 4/0 ACSR	1-270-150	1

SPLICES and/or SLEEVES for OVERHEAD CONDUCTORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW III	DATE: MARCH, 8, 2006
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

OHSPL01

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PRIMARY/NEUTRAL -- MINIMUM TENSION (Compression)		
SPLM020C	SPLICE, COPPER, LONG BARREL, 2/0	1-270-710	1
SPLM040C	SPLICE, COPPER, LONG BARREL, 4/0 AWG	1-270-712	1
SPLM250C	SPLICE, COPPER, LONG BARREL, 250 MCM	1-270-715	1
SPLM350C	SPLICE, COPPER, LONG BARREL, 350 MCM	1-270-717	1
SPLM500C	SPLICE, COPPER, LONG BARREL, 500 MCM	1-270-720	1
SPLM600C	SPLICE, COPPER, LONG BARREL, 600 MCM	1-270-721	1
SPLJ004C	SLEEVE, #4 SOLID COPPER	1-270-510	1
SPLJ002C	SLEEVE, #2 SOLID COPPER	1-270-515	1
SPLJ477A	SLEEVE, JUMPER, 477 MCM	1-270-520	1
SPLJ954C	SLEEVE, JUMPER, 954 MCM	1-270-525	1
	SECONDARY/SERVICE -- FULL TENSION (Compression)		
SPLT006A	SLEEVE, TENSION, TRIPLEX, #6	1-270-420	1
SPLT004A	SLEEVE, TENSION, TRIPLEX, #4	1-270-430	1
SPLT002A	SLEEVE, TENSION, TRIPLEX, #2	1-270-440	1
SPLT020A	SLEEVE, TENSION, TRIPLEX, #2/0	1-270-445	1
SPLT040A	SLEEVE, TENSION, TRIPLEX, #4/0	1-270-455	1
	SERVICE -- NON TENSION (Compression)		
SPLV002B	SLEEVE, SERVICE, #2 to #2	1-270-160	1
SPLV004B	SLEEVE, SERVICE, #4 to #4	1-270-200	1
SPLV006B	SLEEVE, SERVICE, #6 to #6	1-270-210	1
SPLV020B	SLEEVE, SERVICE, #2/0 to #2/0	1-270-270	1
SPLV040B	SLEEVE, SERVICE, #4/0 to #4/0	1-270-330	1
	SERVICE -- SEMI TENSION (Compression)		
SPLS006A	SLEEVE, SEMI TENSION, #6 TRIPLEX NEUTRAL	1-270-375	1

SPLICES and/or SLEEVES
for
OVERHEAD CONDUCTORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW III	DATE: MARCH, 8, 2006
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JANUARY 23, 2007

ASSEMBLY ID.

OHSPL02

ASSEMBLY ID.	MATERIAL DESCRIPTION	QUANTITY
	MCI - ATTACHMENT TRANSFERS (CABLES)	
TMCIC	TRANSFER "MCI" CABLE ATTACHMENTS	1
TMCIG	TRANSFER "MCI" DOWN GUYS	1
	CITY OF FAYETTEVILLE - ATTACHMENT TRANSFERS (CABLES & DROPS) & POLE REMOVALS	
TCITYC	TRANSFER "CITY OF FAYETTEVILLE" CABLE ATTACHMENTS	1
TCITYD	TRANSFER "CITY OF FAYETTEVILLE" DROP ATTACHMENTS (2 DROPS MAXIMUM)	1
TCITYG	TRANSFER "CITY OF FAYETTEVILLE" DOWN GUYS	1
TCITYA	TRANSFER "CITY OF FAYETTEVILLE" DOWN GUYS (1 ADDITIONAL)	1
RCITYP	REMOVE "CITY OF FAYETTEVILLE" POLES < 50'	1
	TIME-WARNER - ATTACHMENT TRANSFERS (CABLES & DROPS)	
TTIMEWC	TRANSFER "TIME-WARNER" CABLE ATTACHMENTS	1
TTIMEWD	TRANSFER "TIME-WARNER" DROP ATTACHMENTS (2 DROPS MAXIMUM)	1
TTIMEWG	TRANSFER "TIME-WARNER" DOWN GUYS	1
TTIMEWA	TRANSFER "TIME-WARNER" DROP ATTACHMENTS (1 ADDITIONAL)	1
	KMC - ATTACHMENT TRANSFERS (CABLES & DROPS)	
TKMCC	TRANSFER "KMC" CABLE ATTACHMENTS	1
TKMCD	TRANSFER "KMC" DROP ATTACHMENTS (2 DROPS MAXIMUM)	1
TKMCG	TRANSFER "KMC" DROP DOWN GUYS	1
TKMCA	TRANSFER "KMC" DROP ATTACHMENTS (1 ADDITIONAL)	1
	SPRINT - ATTACHMENT TRANSFERS (CABLES & DROPS)	
TSPRINTC	TRANSFER "SPRINT" CABLE ATTACHMENTS	1
TSPRINTD	TRANSFER "SPRINT" DROP ATTACHMENTS (2 DROPS MAXIMUM)	1
TSPRINTG	TRANSFER "SPRINT" DOWN GUYS	1
TSPRINTA	TRANSFER "SPRINT" DROP ATTACHMENTS (1 ADDITIONAL ATTACHMENT)	1

POLE ATTACHMENT TRANSFERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
REVISED: SEPTEMBER 19, 2008	REVISED BY: JLL

ASSEMBLY ID.

TRANSFER

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CONDUCTOR CONNECTOR COMPLEMENT - OVERHEAD

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	CONNECTION FOR PRIMARY-SIDE CSP TRANSFORMER		
CCHCSP	CLAMP, HOT LINE, #6 - 4/0 CU.	1-050-080	1
	GUARD, SQUIRREL / BIRD, 4" X 8"	1-030-900	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2CU.	1-075-314	2
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	CONNECTION FOR PRIMARY-SIDE CSP TRANSFORMER w/COMPANION FUSE		
CCHCSPF	CLAMP, HOT LINE, #6 - 4/0 CU.	1-050-080	1
	GUARD, WILDLIFE w/FUSE APERTURE, 4" X 8"	1-030-910	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2CU.	1-075-314	2
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	FUSE CURRENT LIMITING COMPANION, 25A	1-140-057	1
	CONNECTION FOR PRIMARY-SIDE CONVENTIONAL TRANSFORMER		
CCHCONV	GUARD, SQUIRREL / BIRD, 4" X 8"	1-030-900	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2CU.	1-075-314	2
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	CONNECTION FOR SECONDARY-SIDE ALL TRANSFORMERS		
CCL20	CONDUCTOR, 2/0 BARE COPPER	1-065-170	6'
	CONNECTION FOR SECONDARY-SIDE ALL TRANSFORMERS		
CCL250	CONDUCTOR, 250 MCM, BARE COPPER	1-065-160	6'
	CONNECTION FOR SECONDARY-SIDE ALL TRANSFORMERS		
CCL500	CONDUCTOR, 500 MCM, BARE COPPER	1-065-180	6'

CONDUCTOR & CONNECTOR ASSEMBLY FOR OVERHEAD TRANSFORMERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: FEBRUARY 18, 2005
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CC ASSEMB

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	1/2 KVA THRU 50 KVA w/ WILDLIFE GUARDS ONLY		
CC1SM	CLAMP, HOT LINE, #8 - 2/0 CU.	1-050-090	1
	GUARD, SQUIRREL / BIRD, 4" X 8"	1-030-900	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2CU.	1-075-314	2
	CONDUCTOR, 2/0 BARE COPPER (Note:This item is not part of materials issued)	1-065-170	7'
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	75 KVA THRU 100 KVA w/ WILDLIFE GUARDS ONLY		
CC1MD	CLAMP, HOT LINE, #8 - 2/0 CU.	1-050-090	1
	GUARD, SQUIRREL / BIRD, 4" X 8"	1-030-900	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2CU.	1-075-314	2
	CONDUCTOR, 250 MCM, BARE COPPER (Note:This item is not part of materials issued)	1-065-160	7'
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	167 KVA THRU 500 KVA w/ WILDLIFE GUARDS ONLY		
CC1LG	CLAMP, HOT LINE, #8 - 2/0 CU.	1-050-090	1
	GUARD, SQUIRREL / BIRD, 4" X 8"	1-030-900	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	CONDUCTOR, 500 MCM, BARE COPPER (Note:This item is not part of materials issued)	1-065-180	7'
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	NOTES:		
	SPECIFY COMPANION FUSES AND LIGHTNING ARRESTERS SEPARATELY		

CONDUCTOR & CONNECTOR ASSEMBLY FOR OVERHEAD SINGLE PHASE TRANSFORMERS w/ WILDLIFE GUARDS ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: APRIL 16, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 21, 2013

ASSEMBLY ID.

CC1SM
CC1MD
CC1LG

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	1/2 KVA THRU 50 KVA w/ WILDLIFE GUARDS & COMPANION FUSES		
CC1SMF	STIRRUP, BOLTED, 4/0 - 477 ALCLAMP, HOT LINE, #6 - 4/0 CU.	1-050-130	1
	GUARD, WILDLIFE w/ FUSE APERTURE, 4" X 8"	1-030-910	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2CU.	1-075-314	2
	CONDUCTOR, 2/0 BARE COPPER (Note:This item is not part of materials issued)	1-065-170	7'
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	FUSE, CURRENT LIMITING COMPANION, 25A	1-140-057	1
	75 KVA THRU 100 KVA w/ WILDLIFE GUARDS & COMPANION FUSES		
CC1MDF	STIRRUP, BOLTED, 4/0 - 477 ALCLAMP, HOT LINE, #6 - 4/0 CU.	1-050-130	1
	GUARD, WILDLIFE w/ FUSE APERTURE, 4" X 8"	1-030-910	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2CU.	1-075-314	2
	CONDUCTOR, 250 MCM, BARE COPPER (Note:This item is not part of materials issued)	1-065-160	7'
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	FUSE, CURRENT LIMITING COMPANION, 25A	1-140-057	1
	167 KVA THRU 500 KVA w/ WILDLIFE GUARDS & COMPANION FUSES		
CC1LGF	STIRRUP, BOLTED, 4/0 - 477 ALCLAMP, HOT LINE, #6 - 4/0 CU.	1-050-130	1
	GUARD, WILDLIFE w/ FUSE APERTURE, 4" X 8"	1-030-910	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	CONDUCTOR, 500 MCM, BARE COPPER (Note:This item is not part of materials issued)	1-065-180	7'
	CONDUCTOR, #4 BARE COPPER	1-065-040	20'
	FUSE, CURRENT LIMITING COMPANION, 25A	1-140-057	1
	NOTES:		
	SPECIFY LIGHTNING ARRESTERS SEPARATELY		

CONDUCTOR & CONNECTOR ASSEMBLY FOR OVERHEAD SINGLE PHASE TRANSFORMERS w/ WILDLIFE GUARDS & COMPANION FUSE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: APRIL 16, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 21, 2013

ASSEMBLY ID.

CC1SMF
CC1MDF
CC1LGF

TRANSFORMERS
- OVERHEAD

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T250V2A	250KVA POLE MOUNT		
	TRANSFORMER, CONV., 250KVA, 12.0-120/240	1-295-158	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 12.0-120/240

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PMTRANS CONV12

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T50V3F	50KVA POLE MOUNT		
	TRANSFORMER, CONV., 50KVA, 13.2/22.86Y-277	1-295-064	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V3F	100KVA POLE MOUNT		
	TRANSFORMER, CONV., 100 KVA, 13.2/22.86Y-277	1-295-120	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V3F	167KVA POLE MOUNT		
	TRANSFORMER, CONV., 167KVA, 13.2/22.86Y-277	1-295-139	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T333V3F	333KVA POLE MOUNT		
	TRANSFORMER, CONV., 333KVA, 13.2/22.86Y-277	1-295-169	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T500V3F	500KVA POLE MOUNT		
	TRANSFORMER, CONV., 500KVA, 13.2/22.86Y-277	1-295-178	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 13.2/22.86Y-277

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PMTRANS CONV13

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T25V3A	25KVA POLE MOUNT		
	TRANSFORMER, CONV., 25KVA, 13.2/22.86Y-120/240	1-295-045	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V3A	50KVA POLE MOUNT		
	TRANSFORMER, CONV., 50KVA, 13.2/22.86Y-120/240	1-295-075	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V3A	75KVA POLE MOUNT		
	TRANSFORMER, CONV., 75KVA, 13.2/22.86Y-120/240	1-295-090	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V3A	100KVA POLE MOUNT		
	TRANSFORMER, CONV., 100KVA, 13.2/22.86Y-120/240	1-295-115	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V3A	167KVA POLE MOUNT		
	TRANSFORMER, CONV., 167KVA, 13.2/22.86Y-120/240	1-295-140	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T250V3A	250KVA POLE MOUNT		
	TRANSFORMER, CONV., 250KVA, 13.2/22.86Y-120/240	1-295-165	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 13.2/22.86Y-120/240

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PMTRANS CONV14A

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T333V3A	333KVA POLE MOUNT		
	TRANSFORMER, CONV., 333KVA, 13.2/22.86Y-120/240	1-295-175	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 13.2/22.86Y-120/240

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PMTRANS CONV14B

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T50V3G	50KVA POLE MOUNT		
	TRANSFORMER, CONV., 50KVA, 13.2/22.86Y-2.4	1-295-070	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 13.2/22.86Y-2.4

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PMTRANS CONV15

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T25V8A	25KVA POLE MOUNT		
	TRANSFORMER, CONV., 25KVA, 24.94x12.47-120/240	1-295-048	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V8A	50KVA POLE MOUNT		
	TRANSFORMER, CONV., 50KVA, 24.94x12.47-120/240	1-295-078	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V8A	75KVA POLE MOUNT		
	TRANSFORMER, CONV., 75KVA, 24.94x12.47-120/240	1-295-093	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V8A	100KVA POLE MOUNT		
	TRANSFORMER, CONV., 100KVA, 24.94x12.47-120/240	1-295-118	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V8A	167KVA POLE MOUNT		
	TRANSFORMER, CONV., 167KVA, 24.94x12.47-120/240	1-295-138	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 24.94x12.47-120/240 (@ 12.47KV)

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APPROVED BY:	

ASSEMBLY ID.

PMTRANS CONV16

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T25V9A	25KVA POLE MOUNT		
	TRANSFORMER, CONV., 25KVA, 24.94x12.47-120/240	1-295-048	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V9A	50KVA POLE MOUNT		
	TRANSFORMER, CONV., 50KVA, 24.94x12.47-120/240	1-295-078	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V9A	75KVA POLE MOUNT		
	TRANSFORMER, CONV., 75KVA, 24.94x12.47-120/240	1-295-093	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V9A	100KVA POLE MOUNT		
	TRANSFORMER, CONV., 100KVA, 24.94x12.47-120/240	1-295-118	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V9A	167KVA POLE MOUNT		
	TRANSFORMER, CONV., 167KVA, 24.94x12.47-120/240	1-295-138	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 24.94x12.47-120/240 (@ 24.94KV)

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ASSEMBLY ID.

PMTRANS CONV17

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T50V0A	50KVA POLE MOUNT		
	TRANSFORMER, CONV., 50KVA, 2.4/4.16Y-120/240	1-295-059	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS, CONV., 2.4/4.16Y-120/240

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ASSEMBLY ID.

PMTRANS CONV18

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T10V1A	TRANSFORMER, CONV., 10KVA, 7.2/12.47Y-120/240	1-295-015	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T15V1A	TRANSFORMER, CONV., 15KVA, 7.2/12.47Y-120/240	1-295-020	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T25V1A	TRANSFORMER, CONV., 25KVA, 7.2/12.47Y-120/240	1-295-030	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T37V1A	TRANSFORMER, CONV., 37.5KVA, 7.2/12.47Y-120/240	1-295-050	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V1A	TRANSFORMER, CONV., 50KVA, 7.2/12.47Y-120/240	1-295-060	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V1A	TRANSFORMER, CONV., 75KVA, 7.2/12.47Y-120/240	1-295-080	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V1A	TRANSFORMER, CONV., 100KVA, 7.2/12.47Y-120/240	1-295-100	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V1A	TRANSFORMER, CONV., 167KVA, 7.2/12.47Y-120/240	1-295-142	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV CONVENTIONAL
120/240V SEC.

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ASSEMBLY ID.
XMFR
Polemount
CON01

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV CONVENTIONAL POEMOUNTED TRANSFORMER, 120/240V SEC.		
T250V1A	TRANSFORMER, CONV., 250KVA, 7.2/12.47Y-120/240	1-295-166	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T333V1A	TRANSFORMER, CONV., 333KVA, 7.2/12.47Y-120/240	1-295-176	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T500V1A	TRANSFORMER, CONV., 500KVA, 7.2/12.47Y-120/240	1-295-183	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV CONVENTIONAL
120/240V SEC.

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ASSEMBLY ID.
XMFR
Polemount
CON02

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 240/480V SEC.		
T15V1D	TRANSFORMER, CONV., 15KVA, 7.2/12.47Y-240/480	1-295-025	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T25V1D	TRANSFORMER, CONV., 25KVA, 7.2/12.47Y-240/480	1-295-046	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV CONVENTIONAL
240/480V SEC.

PUBLIC WORKS COMMISSION
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ASSEMBLY ID.
XMFR
Polemount
CON03

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV (DV) POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T50V5A	TRANSFORMER, CONV., 50KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-067	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V5A	TRANSFORMER, CONV., 75KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-085	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V5A	TRANSFORMER, CONV., 100KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-101	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V5A	TRANSFORMER, CONV., 167KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-141	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV (DV) CONVENTIONAL
120/240V SEC.

PUBLIC WORKS COMMISSION
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ASSEMBLY ID.
XMFR
Polemount
CON04

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV (DV) POLEMOUNTED TRANSFORMER, 277V SEC.		
T50V5F	TRANSFORMER, CONV., 50KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-066	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V5F	TRANSFORMER, CONV., 75KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-097	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V5F	TRANSFORMER, CONV., 100KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-106	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V5F	TRANSFORMER, CONV., 167KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-136	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV (DV) CONVENTIONAL
277V SEC.

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ASSEMBLY ID.
XMFR
Polemount
CON05

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 240/480V SEC.		
T15V5D	TRANSFORMER, CONV., 15KVA, 24.94GRDY/14.4x12.47GRDY/7.2	1-295-026	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS 7.2kV (DV) CONVENTIONAL 240/480V SEC.

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ASSEMBLY ID.
XMFR Polemount CON06

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T10V4A	TRANSFORMER, CONV., 10KVA, 14.4/24.94Y-120/240	1-295-016	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T25V4A	TRANSFORMER, CONV., 25KVA, 14.4/24.94Y-120/240	1-295-031	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V4A	TRANSFORMER, CONV., 50KVA, 14.4/24.94Y-120/240	1-295-061	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V4A	TRANSFORMER, CONV., 75KVA, 14.4/24.94Y-120/240	1-295-095	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V4A	TRANSFORMER, CONV., 100KVA, 14.4/24.94Y-120/240	1-295-125	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V4A	TRANSFORMER, CONV., 167KVA, 14.4/24.94Y-120/240	1-295-143	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T250V4A	TRANSFORMER, CONV., 250KVA, 14.4/24.94Y-120/240	1-295-167	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T333V4A	TRANSFORMER, CONV., 333KVA, 14.4/24.94Y-120/240	1-295-177	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV CONVENTIONAL
120/240V SEC.

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ASSEMBLY ID.
XMFR
Polemount
CON07

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T500V4A	TRANSFORMER, CONV., 500KVA, 14.4/24.94Y-120/240	1-295-182	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV CONVENTIONAL
120/240V SEC.

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ASSEMBLY ID.
XMFR
Polemount
CON08

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 240/480V SEC.		
T25V4D	TRANSFORMER, CONV., 25KVA, 14.4/24.94Y-240/480	1-295-047	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV CONVENTIONAL
240/480V SEC.

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ASSEMBLY ID.
XMFR
Polemount
CON09

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV (DV) CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T50V6A	TRANSFORMER, CONV., 50KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-067	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V6A	TRANSFORMER, CONV., 75KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-085	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V4A	TRANSFORMER, CONV., 100KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-101	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V6A	TRANSFORMER, CONV., 167KVA, 14.4/24.94Yx7.2/12.47Y-120/240	1-295-141	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV (DV) CONVENTIONAL
120/240V SEC.

PUBLIC WORKS COMMISSION
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ASSEMBLY ID.
XMFR
Polemount
CON10

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV (DV) CONVENTIONAL POLEMOUNTED TRANSFORMER, 240/480V SEC.		
T15VGD	TRANSFORMER, CONV., 15KVA, 24.94GRDY/14.4x12.47GRDY/7.2	1-295-026	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV (DV) CONVENTIONAL POLEMOUNTED TRANSFORMER, 277V SEC.		
T50V6F	TRANSFORMER, CONV., 50KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-066	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V6F	TRANSFORMER, CONV., 75KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-097	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V6F	TRANSFORMER, CONV., 100KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-106	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V6F	TRANSFORMER, CONV., 167KVA, 14.4/24.94Yx7.2/12.47Y-277	1-295-136	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV (DV) CONVENTIONAL
277V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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APPROVED BY:	

ASSEMBLY ID.
XMFR
Polemount
CON12

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	12.0kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 277V SEC.		
T50V2F	TRANSFORMER, CONV., 50KVA, 12.0-277	1-295-065	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V2F	TRANSFORMER, CONV., 100KVA, 12.0-277	1-295-105	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V2F	TRANSFORMER, CONV., 167KVA, 12.0-277	1-295-135	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T250V2F	TRANSFORMER, CONV., 250KVA, 12.0-277	1-295-160	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T333V2F	TRANSFORMER, CONV., 333KVA, 12.0-277	1-295-170	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T500V2F	TRANSFORMER, CONV., 500KVA, 12.0-277	1-295-180	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
12.0kV CONVENTIONAL
277V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON13

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	12.0kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T250V2A	TRANSFORMER, CONV., 250KVA, 12.0-120/240	1-295-158	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
12.0kV CONVENTIONAL
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON14

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	13.2kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 277V SEC.		
T50V3F	TRANSFORMER, CONV., 50KVA, 13.2/22.86Y-277	1-295-064	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V3F	TRANSFORMER, CONV., 100KVA, 13.2/22.86Y-277	1-295-120	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V3F	TRANSFORMER, CONV., 167KVA, 13.2/22.86Y-277	1-295-139	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T333V3F	TRANSFORMER, CONV., 333KVA, 13.2/22.86Y-277	1-295-169	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T500V3F	TRANSFORMER, CONV., 500KVA, 13.2/22.86Y-277	1-295-178	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
13.2kV CONVENTIONAL
277V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON15

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	13.2kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T25V3A	TRANSFORMER, CONV., 25KVA, 13.2/22.86Y-120/240	1-295-045	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V3A	TRANSFORMER, CONV., 50KVA, 13.2/22.86Y-120/240	1-295-075	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V3A	TRANSFORMER, CONV., 75KVA, 13.2/22.86Y-120/240	1-295-090	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V3A	TRANSFORMER, CONV., 100KVA, 13.2/22.86Y-120/240	1-295-115	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V3A	TRANSFORMER, CONV., 167KVA, 13.2/22.86Y-120/240	1-295-140	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T250V3A	TRANSFORMER, CONV., 250KVA, 13.2/22.86Y-120/240	1-295-165	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T333V3A	TRANSFORMER, CONV., 333KVA, 13.2/22.86Y-120/240	1-295-175	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
13.2kV CONVENTIONAL
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON16

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	13.2kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 2.4kV SEC.		
T50V3G	TRANSFORMER, CONV., 50KVA, 13.2/22.86Y-2.4	1-295-070	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
13.2kV CONVENTIONAL
2.4kV SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON17

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	12.47kV (DV) CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T25V8A	TRANSFORMER, CONV., 25KVA, 24.94x12.47-120/240	1-295-048	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V8A	TRANSFORMER, CONV., 50KVA, 24.94x12.47-120/240	1-295-078	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V8A	TRANSFORMER, CONV., 75KVA, 24.94x12.47-120/240	1-295-093	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V8A	TRANSFORMER, CONV., 100KVA, 24.94x12.47-120/240	1-295-118	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V8A	TRANSFORMER, CONV., 167KVA, 24.94x12.47-120/240	1-295-138	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
12.47kV (DV) CONVENTIONAL
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON18

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	24.94kV (DV) CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T25V9A	TRANSFORMER, CONV., 25KVA, 24.94x12.47-120/240	1-295-048	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50V9A	TRANSFORMER, CONV., 50KVA, 24.94x12.47-120/240	1-295-078	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75V9A	TRANSFORMER, CONV., 75KVA, 24.94x12.47-120/240	1-295-093	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100V9A	TRANSFORMER, CONV., 100KVA, 24.94x12.47-120/240	1-295-118	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167V9A	TRANSFORMER, CONV., 167KVA, 24.94x12.47-120/240	1-295-138	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
24.94kV (DV) CONVENTIONAL
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON19

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	2.4kV CONVENTIONAL POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T50V0A	TRANSFORMER, CONV., 50KVA, 2.4/4.16-120/240	1-295-059	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
2.4kV CONVENTIONAL
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CON20

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV CSP POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T5S1A	TRANSFORMER, CSP., 5KVA, 12.47GRDY/7.2-120/240	1-295-315	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T10S1A	TRANSFORMER, CSP., 10KVA, 12.47GRDY/7.2-120/240	1-295-330	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T15S1A	TRANSFORMER, CSP., 15KVA, 12.47GRDY/7.2-120/240	1-295-340	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T25S1A	TRANSFORMER, CSP., 25KVA, 12.47GRDY/7.2-120/240	1-295-365	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T37S1A	TRANSFORMER, CSP., 37.5KVA, 12.47GRDY/7.2-120/240	1-295-385	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50S1A	TRANSFORMER, CSP., 50KVA, 12.47GRDY/7.2-120/240	1-295-395	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75S1A	TRANSFORMER, CSP., 75KVA, 12.47GRDY/7.2-120/240	1-295-415	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100S1A	TRANSFORMER, CSP., 100KVA, 12.47GRDY/7.2-120/240	1-295-418	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV CSP
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

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ASSEMBLY ID.
XMFR
Polemount
CSP01

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV (DV) CSP POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T5S5A	TRANSFORMER, CSP., 5KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-321	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T10S5A	TRANSFORMER, CSP., 10KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-331	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T15S5A	TRANSFORMER, CSP., 15KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-350	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T25S5A	TRANSFORMER, CSP., 25KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-370	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50S5A	TRANSFORMER, CSP., 50KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-400	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75S5A	TRANSFORMER, CSP., 75KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-416	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100S5A	TRANSFORMER, CSP., 100KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-417	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV (DV) CSP
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Polemount
CSP02

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	7.2kV (DV) CSP POLEMOUNTED TRANSFORMER, 120V SEC.		
T25S5E	TRANSFORMER, CSP., 25KVA, 24.94GRDY/14.4x12.47Y/7.2-120	1-295-375	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50S5E	TRANSFORMER, CSP., 50KVA, 24.94GRDY/14.4x12.47Y/7.2-120	1-295-403	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
7.2kV (DV) CSP
120V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Polemount
CSP03

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV CSP POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T10S4A	TRANSFORMER, CSP., 10KVA, 24.94GRDY/14.4-120/240	1-295-332	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T15S4A	TRANSFORMER, CSP., 15KVA, 24.94GRDY/14.4-120/240	1-295-335	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T25S4A	TRANSFORMER, CSP., 25KVA, 12.47GRDY/14.4-120/240	1-295-380	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50S4A	TRANSFORMER, CSP., 50KVA, 24.94GRDY/14.4-120/240	1-295-405	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75S4A	TRANSFORMER, CSP., 75KVA, 24.94GRDY/14.4-120/240	1-295-414	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T100S4A	TRANSFORMER, CSP., 100KVA, 24.94GRDY/14.4-120/240	1-295-421	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T167S4A	TRANSFORMER, CSP., 167KVA, 24.94GRDY/14.4-120/240	1-295-420	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV CSP
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Polemount
CSP04

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV (DV) CSP POLEMOUNTED TRANSFORMER, 120/240V SEC.		
T5S6A	TRANSFORMER, CSP., 5KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-321	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T10S6A	TRANSFORMER, CSP., 10KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-331	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T15S6A	TRANSFORMER, CSP., 15KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-350	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T25S6A	TRANSFORMER, CSP., 25KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-370	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50S6A	TRANSFORMER, CSP., 50KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-400	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T75S6A	TRANSFORMER, CSP., 75KVA, 24.94GRDY/14.4x12.47GRDY/7.2-120/240	1-295-416	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV (DV) CSP
120/240V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Polemount
CSP05

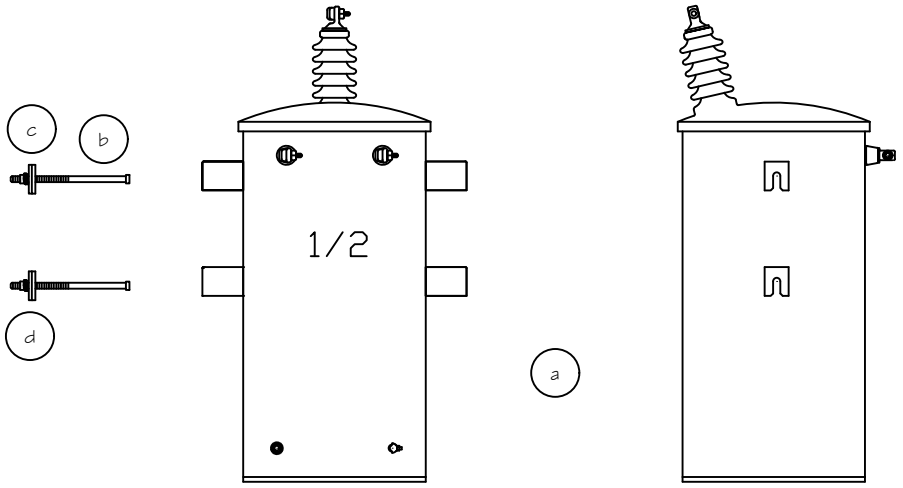
ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	14.4kV (DV) CSP POLEMOUNTED TRANSFORMER, 120V SEC.		
T25S6E	TRANSFORMER, CSP., 25KVA, 24.94GRDY/14.4x12.47Y/7.2-120	1-295-375	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
T50S6E	TRANSFORMER, CSP., 50KVA, 24.94GRDY/14.4x12.47Y/7.2-120	1-295-403	1
	BOLT, MACHINE, 5/8"x12", w/NUT	1-325-180	2
	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2

POLE MOUNTED TRANSFORMERS
14.4kV (DV) CSP
120V SEC.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 20, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Polemount
CSP06



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	THALFV1E	THALFV4E	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 1/2 KVA, 12.47 GRDY / 7.2 - 120	1-295-003	1	-	
a	TRANSFORMER, CONV., 1/2 KVA, 24.94 GRDY / 14.4 - 120	1-295-004	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

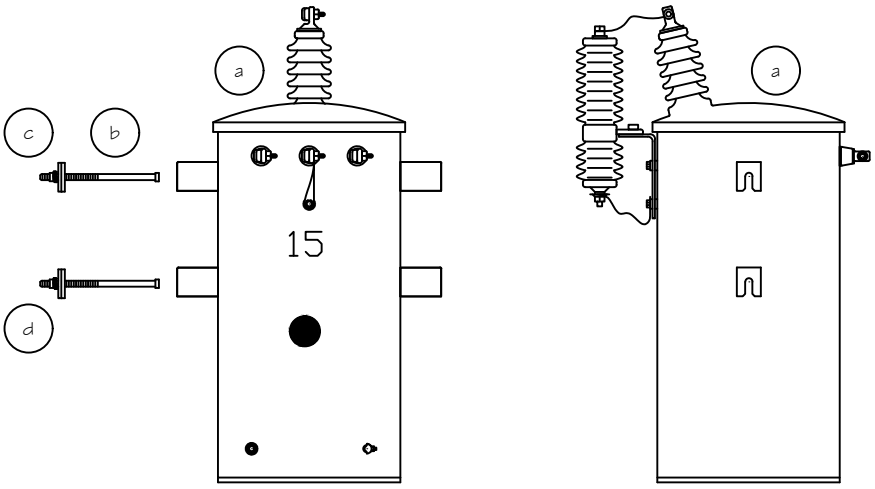
TRANSFORMER, CONV. 1/2 KVA
7.2 KV or 14.4 KV
120V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

THALFV1E
THALFV4E



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T5S1A QUANTITY	T10S1A QUANTITY	T15S1A QUANTITY
a	TRANSFORMER, CSP, 5 KVA, 12.47GRDY/7.2 - 120/240	1-295-315	1	-	-
a	TRANSFORMER, CSP, 10 KVA, 12.47GRDY/7.2 - 120/240	1-295-330	-	1	-
a	TRANSFORMER, CSP, 15 KVA, 12.47GRDY/7.2 - 120/240	1-295-340	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2
			REMOVAL ONLY		

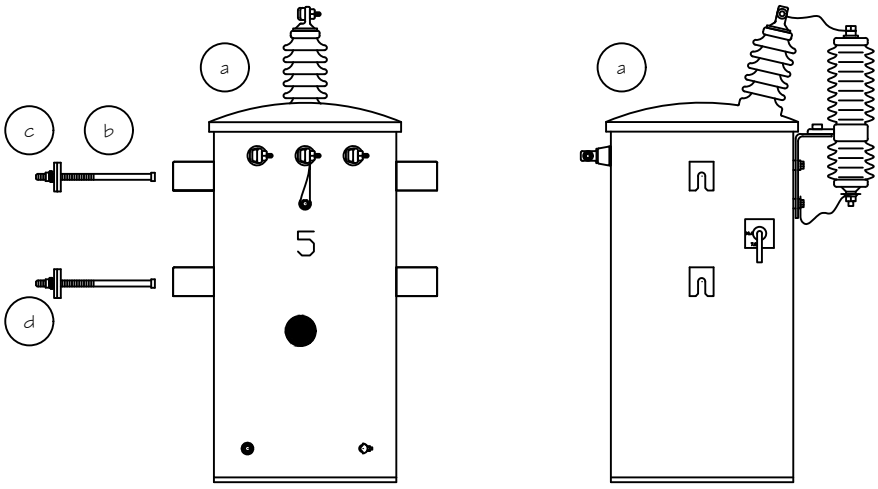
TRANSFORMER, 7.2 KV, CSP
5, 10, & 15 KVA
120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.

T5S1A
T10S1A
T15S1A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T5S5A QUANTITY	T5S6A QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 5 KVA, 24.94GRDY/14.4x12.47GRDY/7.2 - 120/240	1-295-321	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
			REMOVAL & TRANSFER ONLY	REMOVAL & TRANSFER ONLY	

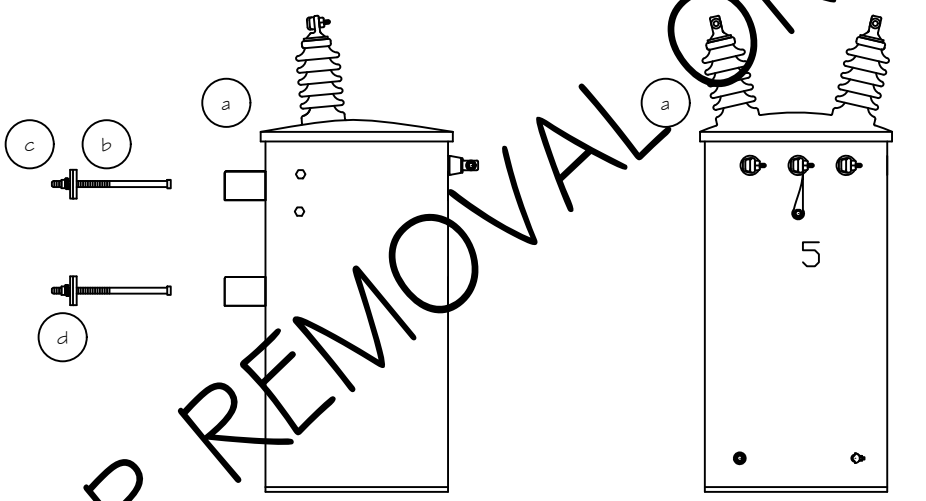
TRANSFORMER, 5 KVA, CSP, DUAL VOLTAGE, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.

T5S5A
T5S6A



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T5V1A QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 5 KVA, 7.2/12.47Y - 120/240	1-295-013	1			
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2			
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2			
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2			

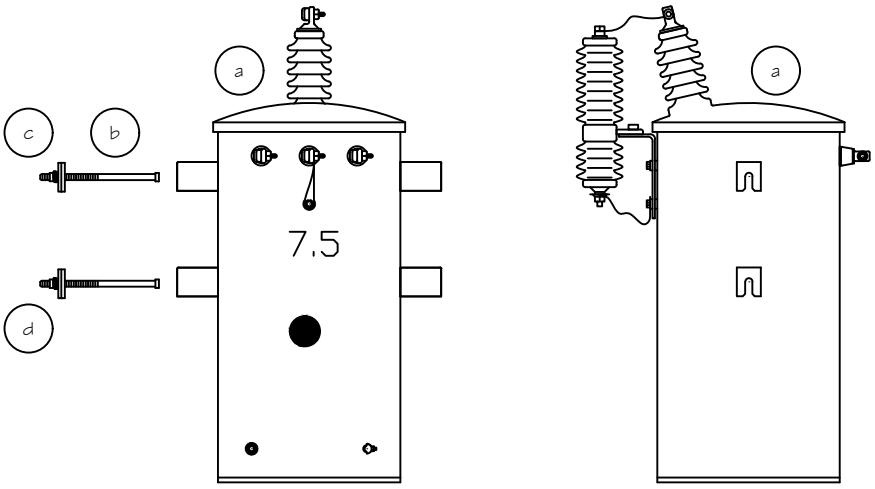
TRANSFORMER, CONVENTIONAL
7.2 KV, 5 KVA
120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T5V1A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T7S1A QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 7.5 KVA, 12.47GRDY/7.2 - 120/240	1-295-325	1	-	-
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2
			REMOVAL OR TRANSFER ONLY		

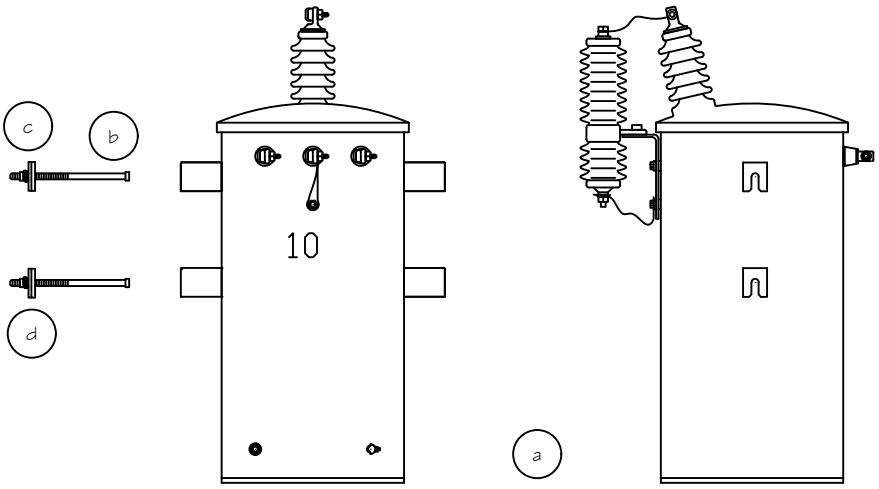
TRANSFORMER, 7.2 KV, CSP
7.5 KVA
120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: SEPTEMBER 1, 2009
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T7S1A



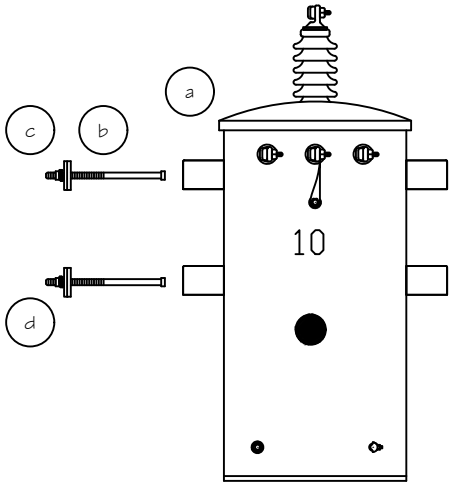
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T10S4A	T15S4A	T25S4A
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 10 KVA 24.94 GRDY/14.4 - 120/240	1-295-332	1	-	-
a	TRANSFORMER, CSP, 15 KVA 24.94 GRDY/14.4 -120/240	1-295-355	-	1	-
a	TRANSFORMER, CSP, 25 KVA 24.94 GRDY/14.4 -120/240	1-295-380	-	-	1
b	BOLT, MACHINE, 5/8" x 12" w/ NUT	1-325-180	2	2	2
c	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	2	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2
				REMOVAL ONLY	

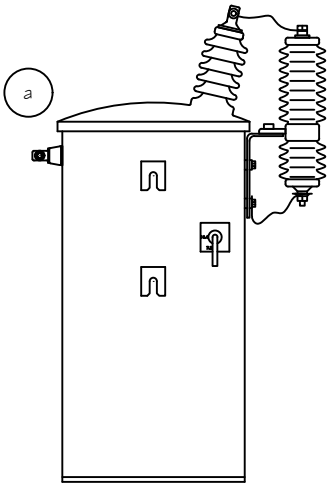
TRANSFORMER, 14.4 KV, CSP
10, 15, & 25 KVA
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 29, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.
T10S4A
T15S4A
T25S4A





7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T10S5A QUANTITY	T10S6A QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 10 KVA, 24.94GRDY/14.4x12.47GRDY/7.2 - 120/240	1-295-331	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
			REMOVAL ONLY	REMOVAL ONLY	

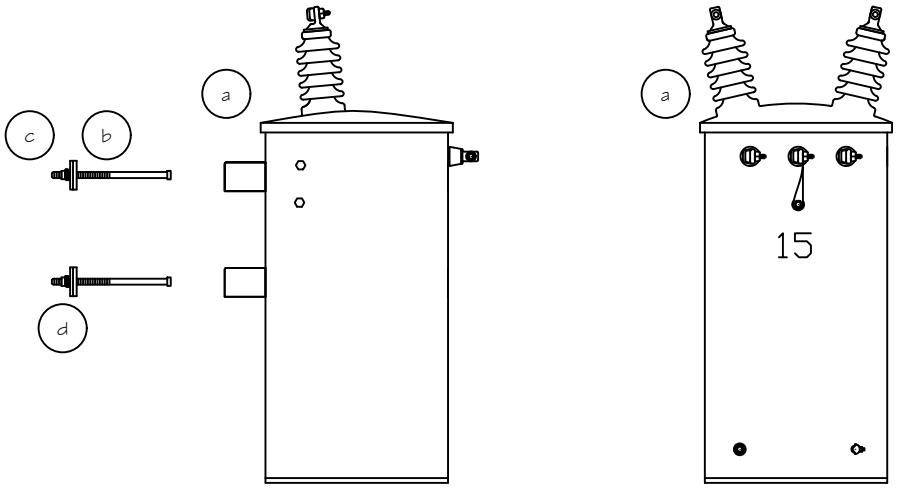
TRANSFORMER, 10 KVA, CSP, DUAL VOLTAGE, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.

T10S5A
T10S6A



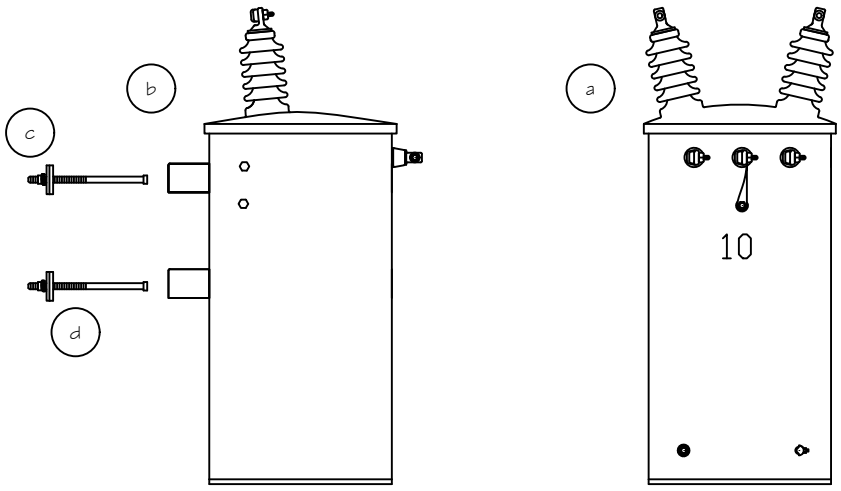
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T10V1A	T15V1A	T25V1A	T37V1A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 10 KVA, 7.2/12.47Y - 120/240	1-295-015	1	-	-	-
a	TRANSFORMER, CONV., 15 KVA, 7.2/12.47Y - 120/240	1-295-020	-	1	-	-
a	TRANSFORMER, CONV., 25 KVA, 7.2/12.47Y - 120/240	1-295-030	-	-	1	-
a	TRANSFORMER, CONV., 37.5 KVA, 7.2/12.47Y - 120/240	1-295-050	-	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2	2
				REMOVAL ONLY	REMOVAL ONLY	

TRANSFORMER, CONVENTIONAL 7.2 KV, 10, 15, 25, & 37.5 KVA 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.
T10V1A
T15V1A
T25V1A
T37V1A



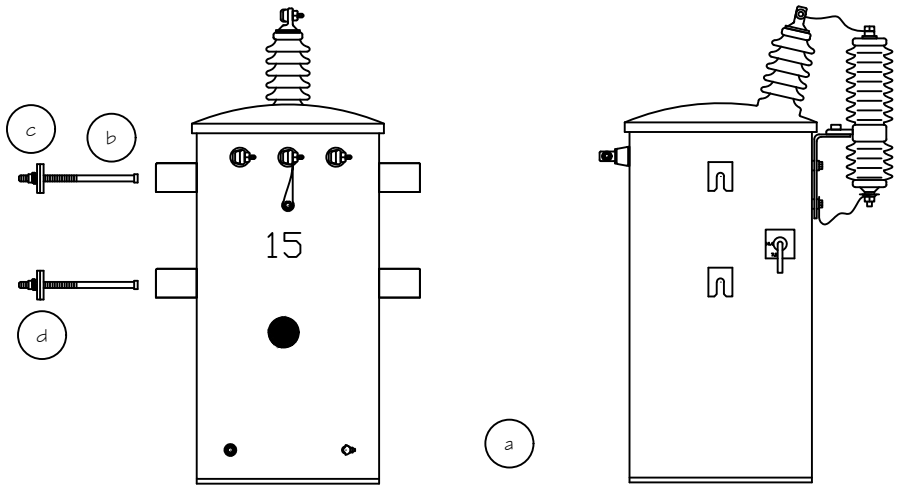
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T10V4A	T25V4A	T50V4A
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 10 KVA, 14.4/24.94Y - 120/240	1-295-016	1	-	-
a	TRANSFORMER, CONV., 25 KVA, 14.4/24.94Y - 120/240	1-295-031	-	1	-
a	TRANSFORMER, CONV., 50 KVA, 14.4/24.94Y - 120/240	1-295-061	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2

TRANSFORMER, 14.4KV CONVENTIONAL 10, 25, & 50 KVA 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T10V4A
T25V4A
T50V4A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T15S5A QUANTITY	T15S6A QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 15 KVA 24.94 GRDY / 14.4 x 12.47 GRDY / 7.2 - 120/240	1-295-350	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
			REMOVAL ONLY	REMOVAL ONLY	

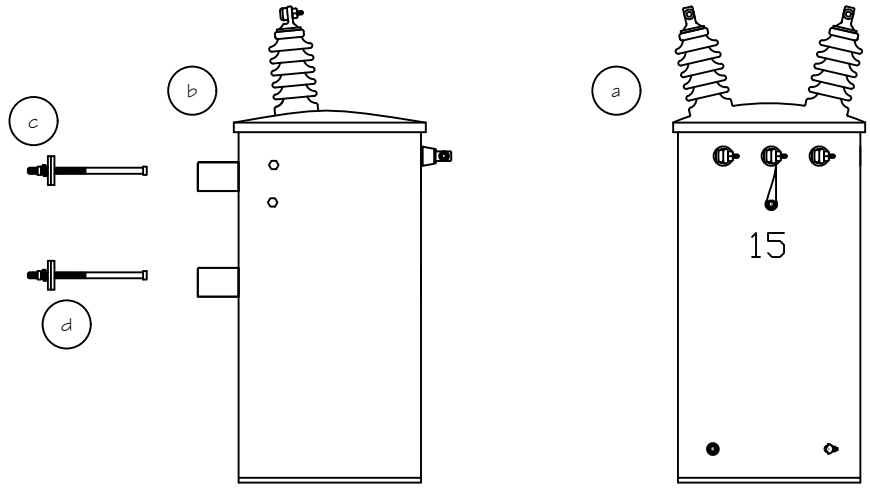
TRANSFORMER, 15 KVA, CSP
DUAL VOLTAGE
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 28, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.

T15S5A
T15S6A



FOR REMOVAL OR TRANSFER ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T15VID QUANTITY	T25VID QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 15 KVA, 7.2/12.47Y - 240/480	1-295-025	1	-	
a	TRANSFORMER, CONV., 25 KVA, 7.2/12.47Y - 240/480	1-295-046	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

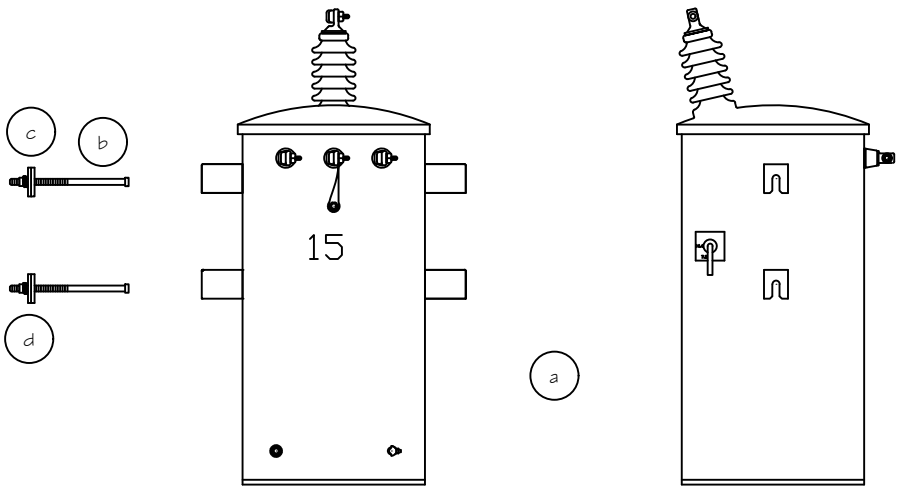
TRANSFORMER, CONVENTIONAL 7.2KV 15 & 25 KVA, 240/480V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 25, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.

T15VID
T25VID



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T15V5D	T15V6D	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 15 KVA, 24.94 GRDY / 14.4 x 12.47 GRDY / 7.2	1-295-026	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

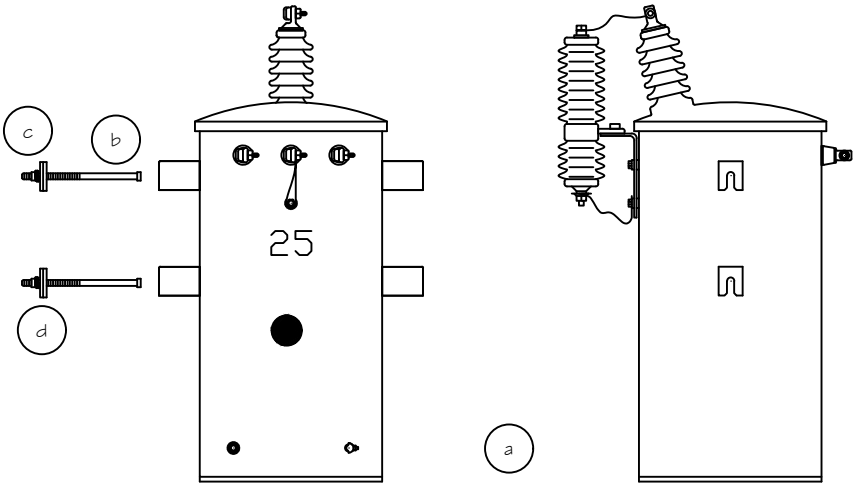
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 15 KVA, 240/480 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T15V5D
T15V6D



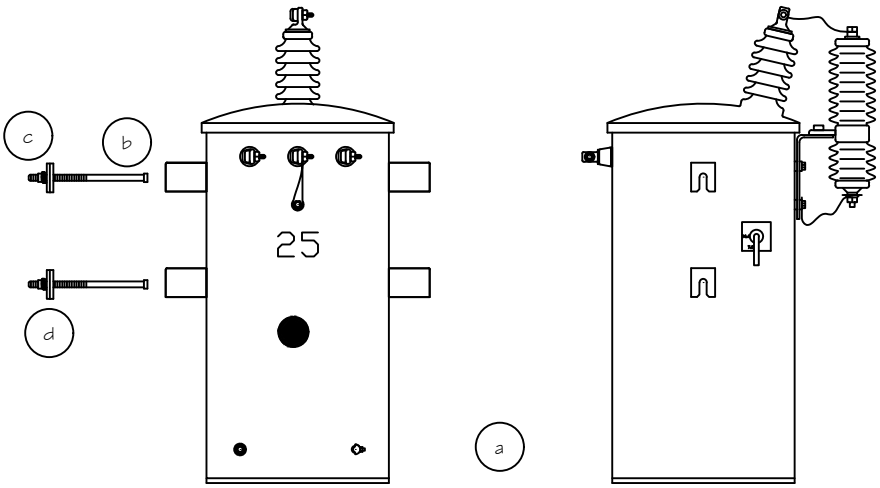
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25S1A	T37S1A	T50S1A
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 25 KVA, 12.47 GRDY / 7.2 - 120/240	1-295-365	1	-	-
a	TRANSFORMER, CSP, 37.5 KVA, 12.47 GRDY / 7.2 - 120/240	1-295-385	-	1	-
a	TRANSFORMER, CSP, 75 KVA, 12.47 GRDY / 7.2 - 120/240	1-295-395	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2

TRANSFORMER, 7.2 KV, CSP 25, 37.5, & 50 KVA 120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 25, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T25S1A
T37S1A
T50S1A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25S5A 7.2 KV	T25S6A 14.4 KV	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 25 KVA 24.94 GRDY / 14.4 x 12.47 GRDY / 7.2 - 120/240	1-295-370	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

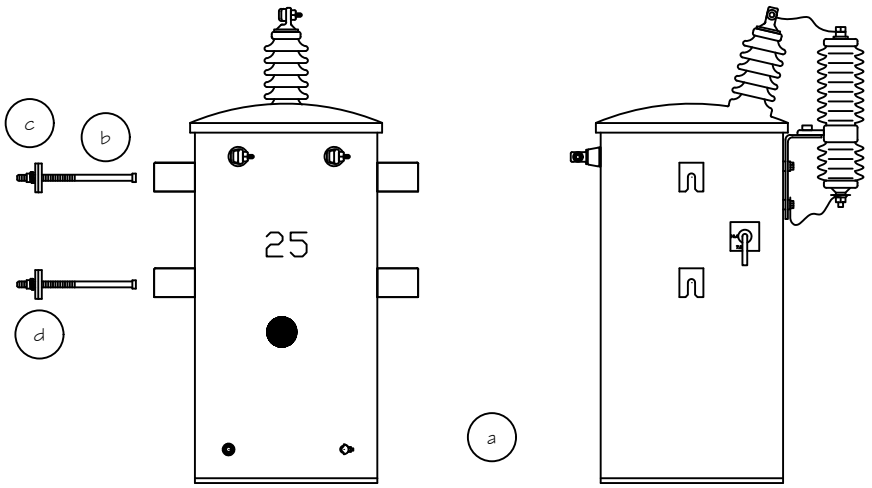
TRANSFORMER, 25 KVA, CSP
DUAL VOLTAGE
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 28, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T25S5A
T25S6A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25S5E	T25S6E	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 25 KVA 24.94 GRDY/14.4 x 12.47 GRDY/7.2 - 120V	1-295-375	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

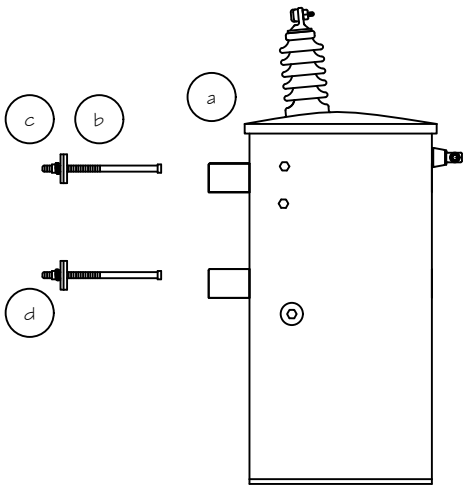
TRANSFORMER, 25 KVA, CSP
DUAL VOLTAGE
120 V SECONDARY

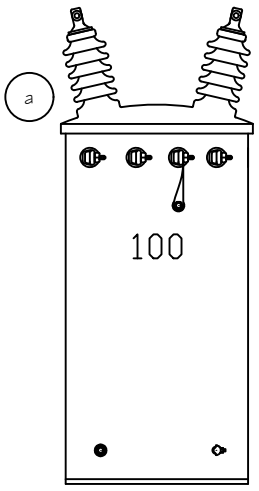
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 28, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T25S5E
T25S6E





REMOVAL ONLY

REMOVAL ONLY

REMOVAL ONLY

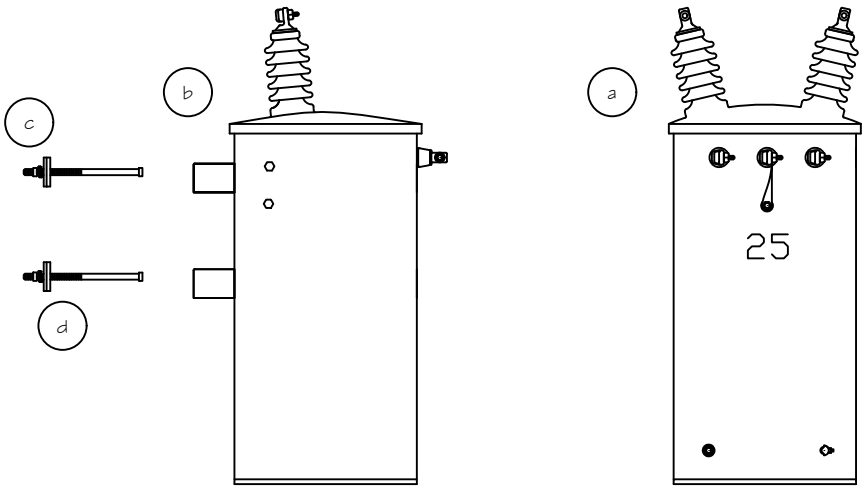
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25V3A	T50V3A	T75V3A	T100V3A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 25 KVA, 13.2/22.86Y - 120/240	1-295-045	1	-	-	-
a	TRANSFORMER, CONV., 50 KVA, 13.2/22.86Y - 120/240	1-295-075	-	1	-	-
a	TRANSFORMER, CONV., 75 KVA, 13.2/22.86Y - 120/240	1-295-090	-	-	1	-
a	TRANSFORMER, CONV., 100 KVA, 13.2/22.86Y - 120/240	1-295-115	-	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	-	-
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	-	-
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	-	-
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	-	-	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	-	-	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	-	-	2	2

TRANSFORMER, CONVENTIONAL, 13.2KV, 25, 50, 75, & 100 KVA 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: May 27, 2008

ASSEMBLY ID.
T25V3A
T50V3A
T75V3A
T100V3A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25V4D QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 25 KVA, 14.4/24.94Y - 240/480	1-295-047	1		
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2		
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2		
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2		

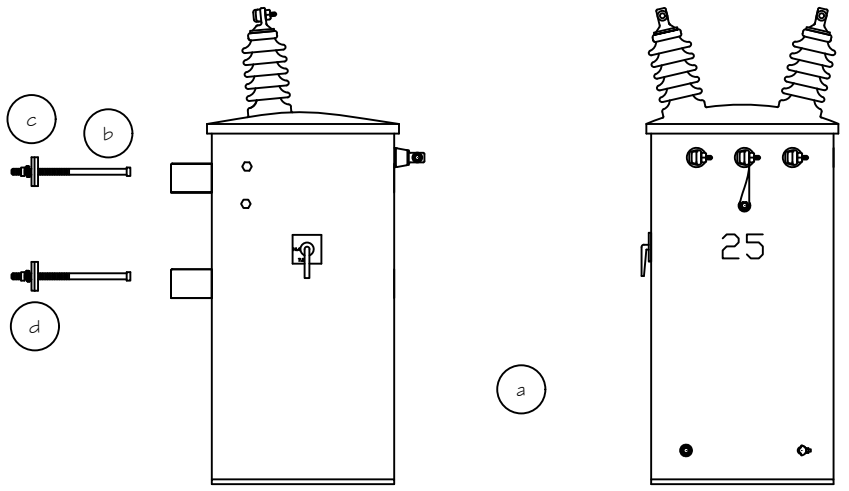
TRANSFORMER, CONVENTIONAL
14.4KV
25 KVA, 240/480V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 25, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T25V4D



12.47 KV

24.94 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25V8A QUANTITY	T25V9A QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 25 KVA, 24.94 x 12.47 - 120 / 240	1-295-048	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

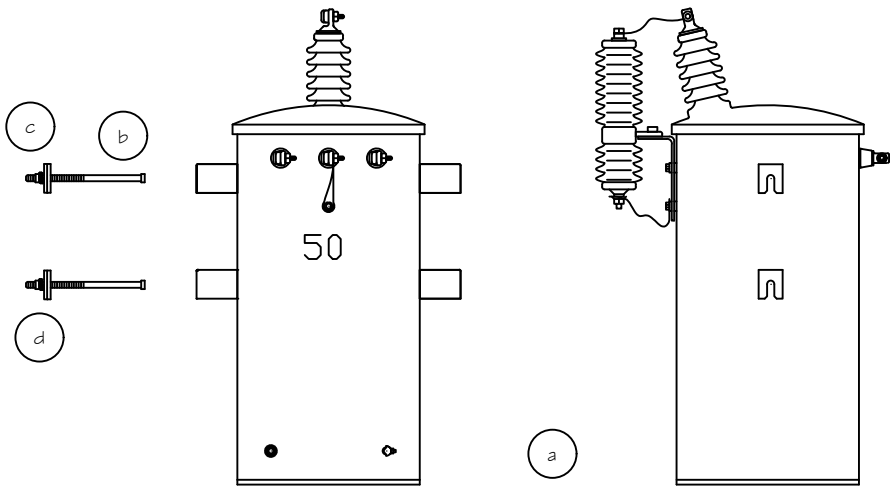
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE, 24.94 x 12.47 25 KVA, 120/240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T25V8A
T25V9A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50S4A	T75S4A	T167S4A
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 50 KVA 24.94 GRDY/14.4-120/240	1-295-405	1	-	-
a	TRANSFORMER, CSP, 75 KVA 24.94 GRDY/14.4-120/240	1-295-414	-	1	-
a	TRANSFORMER, CSP, 167KVA 24.94GRDY/14.4-120/240	1-295-420	-	-	1
b	BOLT, MACHINE, 5/8" x 12" w/ NUT	1-325-180	2	-	-
c	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	2	-	-
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	-	-
b	BOLT, MACHINE, 3/4" x 12" w/ NUT	1-325-210	-	2	2
c	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 3/4"	1-325-734	-	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	-	2	2

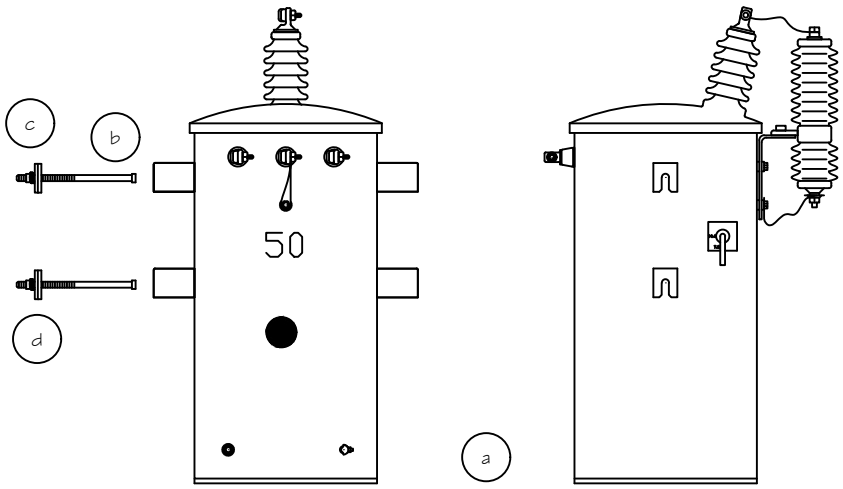
TRANSFORMER, 14.4 KV, CSP
50 KVA & 75 KVA, 167KVA
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.

T50S4A
T75S4A
T167S4A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50S5A	T50S6A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 50 KVA 24.94 GRDY/14.4 x 12.47 GRDY/7.2 - 120/240	1-295-400	1	1	
b	BOLT, MACHINE, 5/8" x 12" w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

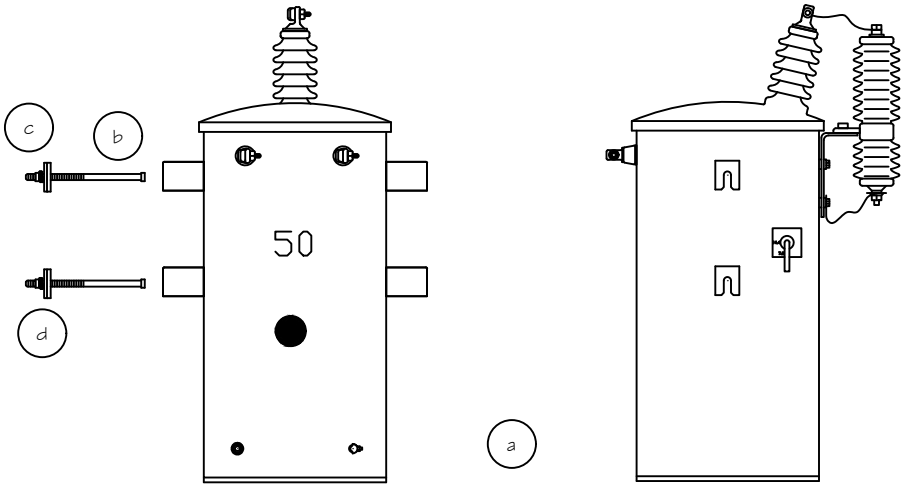
TRANSFORMER, 50 KVA, CSP
DUAL VOLTAGE
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 28, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50S5A
T50S6A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50S5E	T50S6E	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 50 KVA 24.94 GRDY/14.4 x 12.47 Y/7.2 - 120V	1-295-403	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

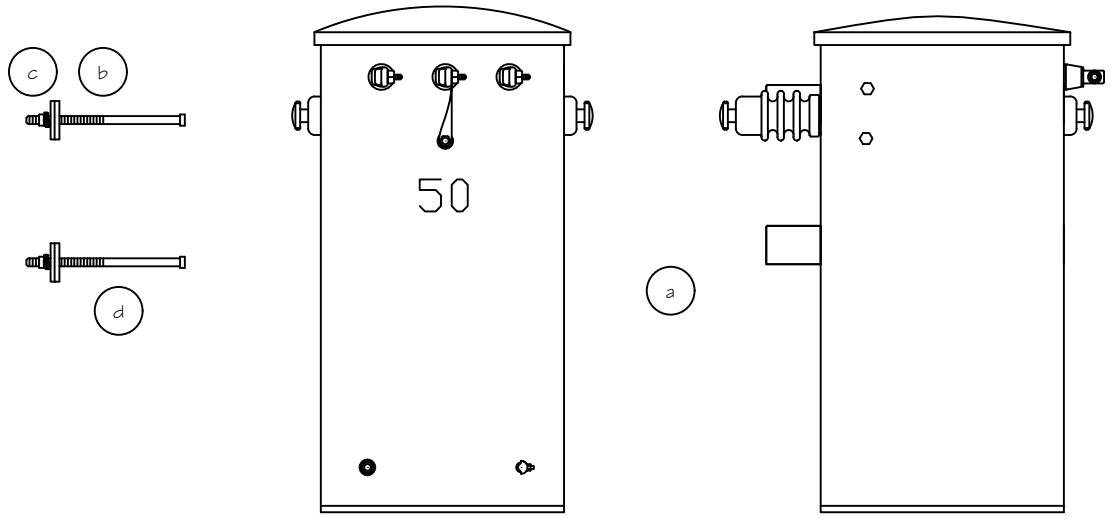
TRANSFORMER, 50 KVA, CSP
DUAL VOLTAGE
120 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 28, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50S5E
T50S6E



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V0A		
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 2.4/4.16Y - 120/240	1-295-059	1		
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2		
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2		
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2		

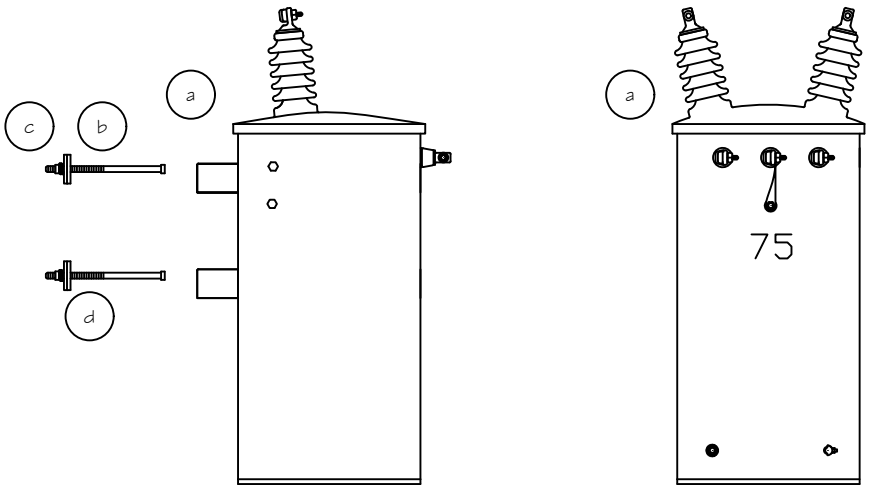
TRANSFORMER, 50 KVA 2.4/4.16Y-120/240 CONVENTIONAL 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50V0A



REMOVAL ONLY

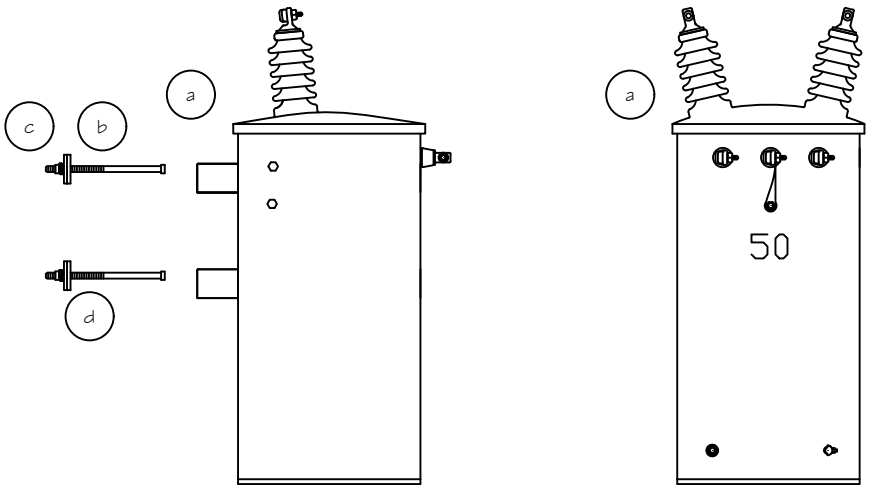
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V1A	T75V1A	T100V1A
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 7.2/12.47Y - 120/240	1-295-060	1	-	-
a	TRANSFORMER, CONV., 75 KVA, 7.2/12.47Y - 120/240	1-295-080	-	1	-
a	TRANSFORMER, CONV., 100 KVA, 7.2/12.47Y - 120/240	1-295-100	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	-	-
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	-	-
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	-	-
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	-	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	-	2	2
d	WASHER, SQUARE, CURVED, 3"	1-325-780	-	2	2

TRANSFORMER, 7.2KV, CONVENTIONAL 50, 75, & 100 KVA 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: May 27, 2008

ASSEMBLY ID.
T50V1A
T75V1A
T100V1A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V1F		
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 7.2/12.47Y - 277	1-295-068	1		
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2		
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2		
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2		

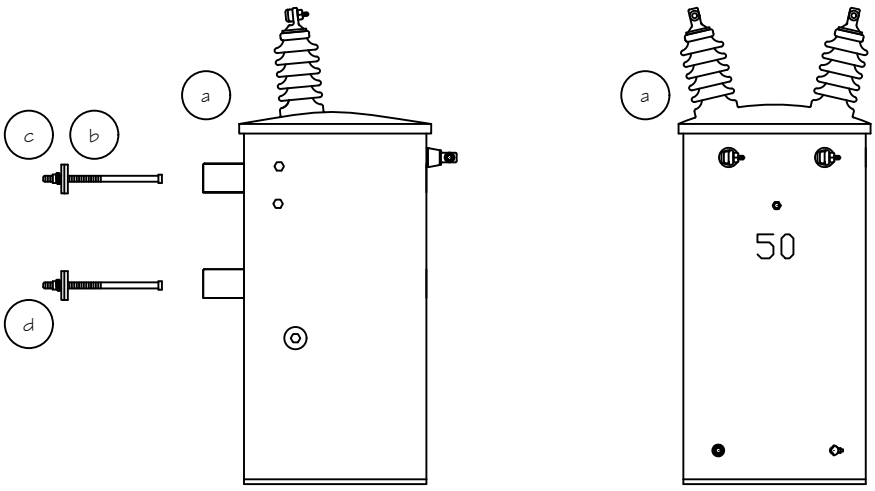
TRANSFORMER, 7.2KV, CONVENTIONAL 50 KVA 277V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 25, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50V1F



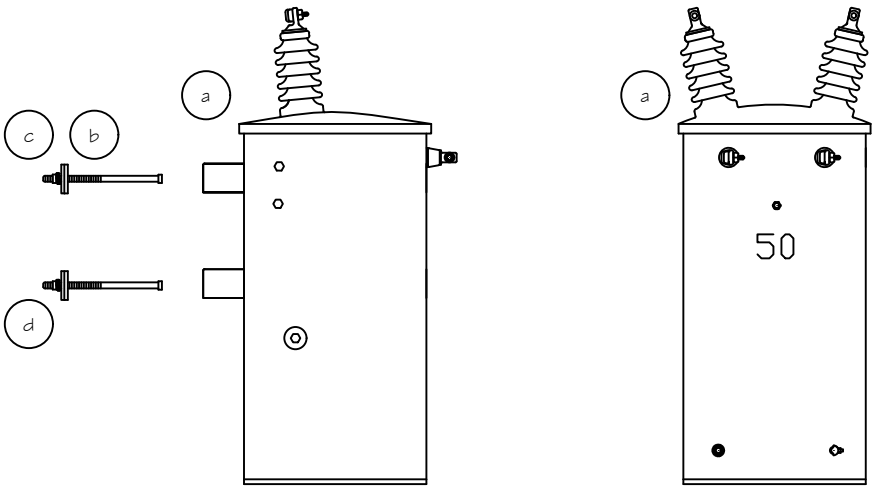
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V2F	T100V2F	T167V2F
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 12.0 - 277	1-295-065	1	-	-
a	TRANSFORMER, CONV., 100 KVA, 12.0 - 277	1-295-105	-	1	-
a	TRANSFORMER, CONV., 167 KVA, 12.0 - 277	1-295-135	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	-	-
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	-	-
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	-	-
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	-	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	-	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	-	2	2

TRANSFORMER, CONVENTIONAL 12.0KV, 50, 100, & 167 KVA 277V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.
T50V2F
T100V2F
T167V2F



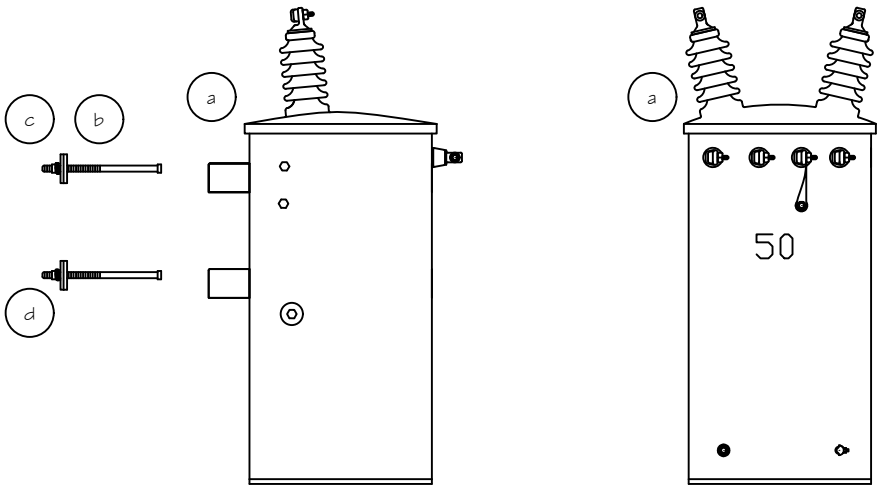
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V3F	T100V3F	T167V3F
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 13.2/22.86Y - 277	1-295-064	1	-	-
a	TRANSFORMER, CONV., 100 KVA, 13.2/22.86Y - 277	1-295-120	-	1	-
a	TRANSFORMER, CONV., 167 KVA, 13.2/22.86Y- 277	1-295-139	-	-	1
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	-	-
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	-	-
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	-	-
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	-	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	-	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	-	2	2

TRANSFORMER, CONVENTIONAL 13.2KV, 50, 100, & 167 KVA 277V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: ED SMITH	DATE: JULY 17, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.
T50V3F
T100V3F
T167V3F



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V3G			
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 13.2/22.8GY - 2.4	1-295-070	1			
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2			
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2			
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2			

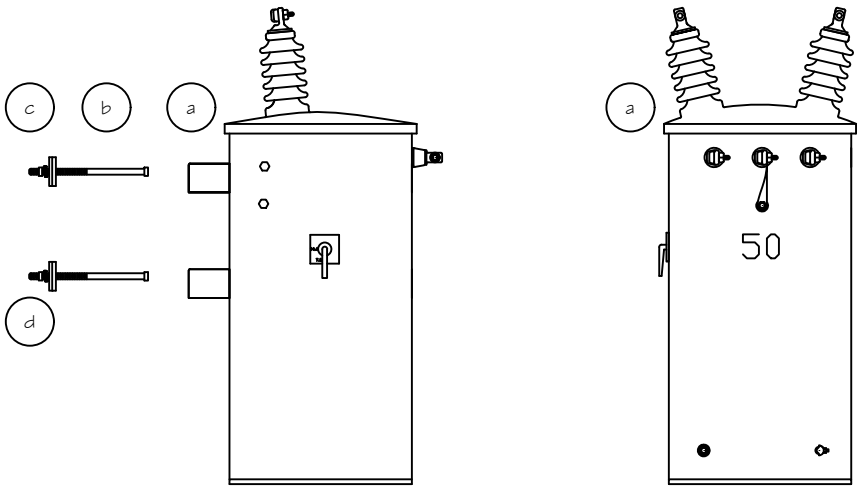
TRANSFORMER, CONVENTIONAL, 13.2KV, 50 KVA 2.4 KV SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50V3G



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V5A QUANTITY	T50V6A QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 14.4/24.94Y x 7.2/12.47Y - 120/240	1-295-067	1	1	
b	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

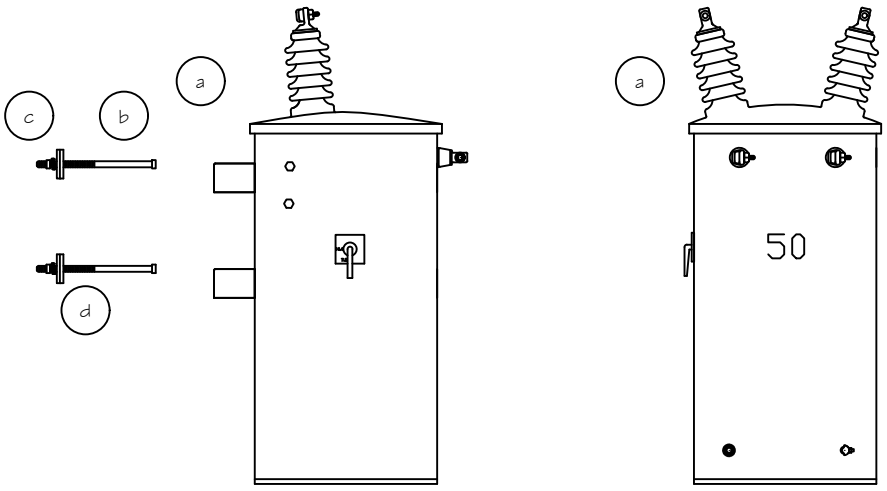
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 50 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50V5A
T50V6A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V5F QUANTITY	T50V6F QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 14.4/24.94Y x 7.2/12.47Y - 277	1-295-066	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

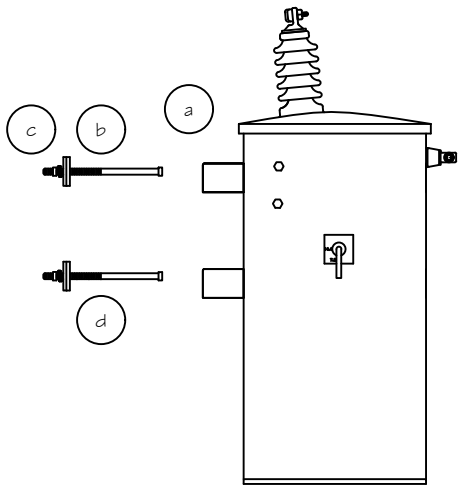
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 50 KVA, 277V SECONDARY

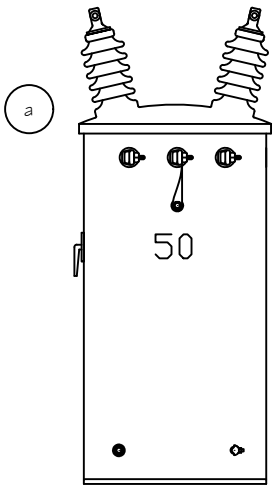
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50V5F
T50V6F





12.47 KV

24.94 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50V8A QUANTITY	T50V9A QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 50 KVA, 24.94 x 12.47 - 120/240	1-295-078	1	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	

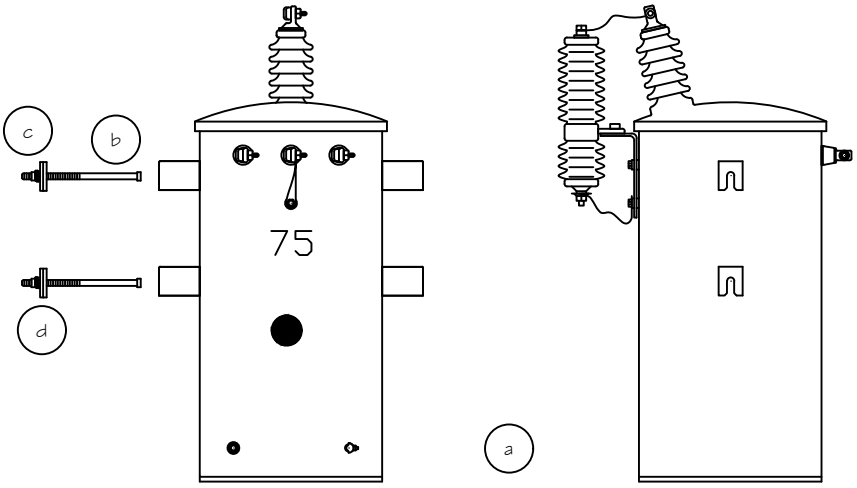
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE, 24.94x12.47 50 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T50V8A
T50V9A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75S1A	T100S1A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 75 KVA, 12.47 GRDY / 7.2 - 120/240	1-295-415	1	-	
a	TRANSFORMER, CSP, 100 KVA, 12.47 GRDY / 7.2 - 120/240	1-295-418	-	1	
b	BOLT, MACHINE, 3/4" x 12", w/ NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

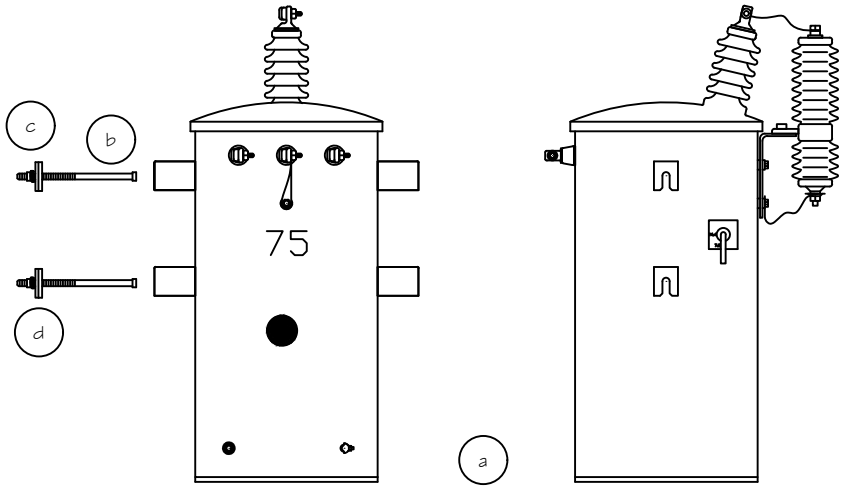
TRANSFORMER, 7.2 KV, CSP
75 & 100 KVA
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 25, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T75S1A
T100S1A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75S5A QUANTITY	T75S6A QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 75 KVA 24.94 GRDY/14.4 x 12.47 GRDY/7.2 - 120/240	1-295-416	1	1	
b	BOLT, MACHINE, 3/4" x 12" w/ NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

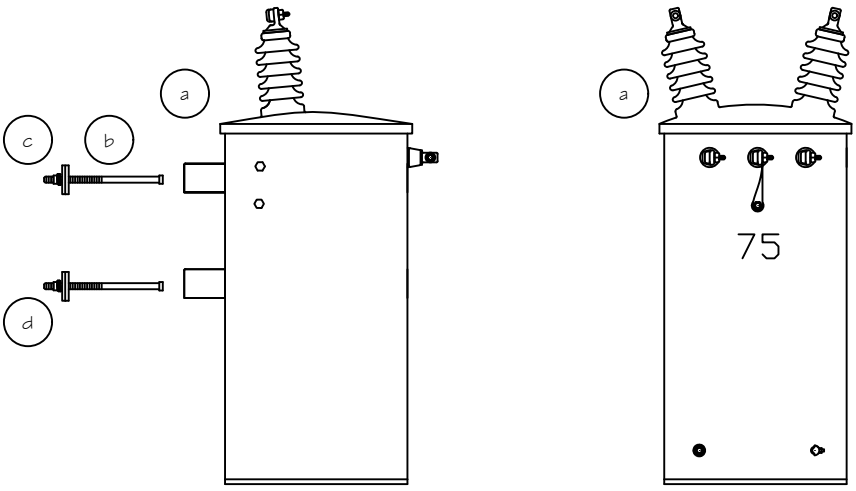
TRANSFORMER, 75 KVA, CSP
DUAL VOLTAGE
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 28, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T75S5A
T75S6A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75V4A QUANTITY	T100V4A QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 75 KVA, 14.4/24.94Y - 120/240	1-295-095	1	-	
a	TRANSFORMER, CONV., 100 KVA, 14.4/24.94 - 120/240	1-295-125	-	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

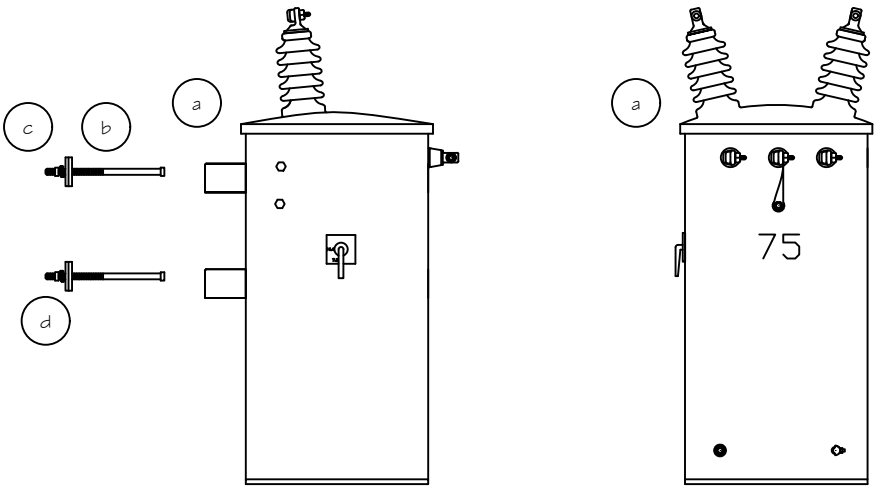
TRANSFORMER, CONVENTIONAL 14.4 KV, 75 & 100 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T75V4A
T100V4A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75V5A QUANTITY	T75V6A QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 75 KVA, 14.4/24.9Y x 7.2/12.47Y - 120/240	1-295-085	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

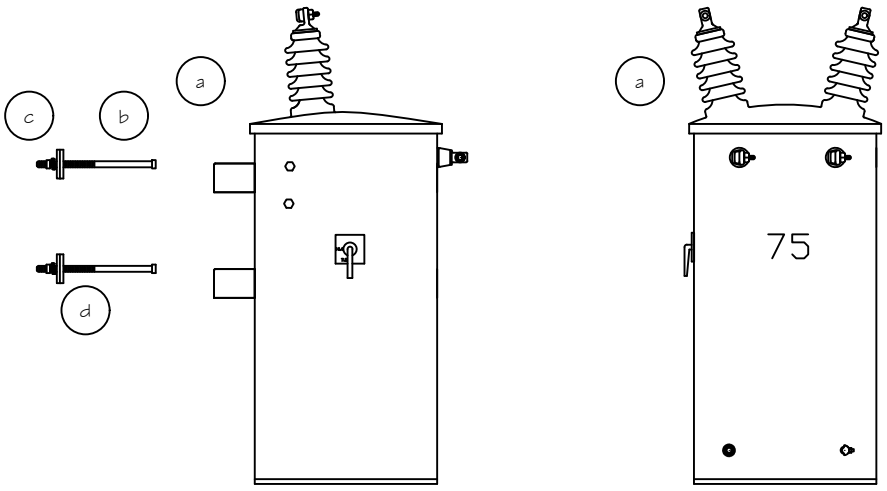
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 75 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T75V5A
T75V6A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75V5F QUANTITY	T75V6F QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 75 KVA, 14.4/24.94Y x 7.2/12.47Y - 277	1-295-097	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

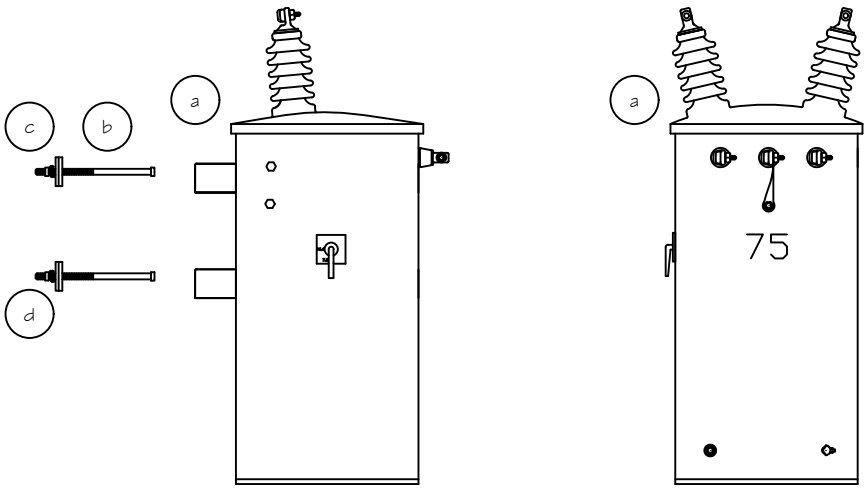
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 75 KVA, 277V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: ED SMITH	DATE: JULY 19, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T75V5F
T75V6F



12.47 KV

24.94 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75V8A QUANTITY	T75V9A QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 75 KVA, 24.94 x 12.47 - 120/240	1-295-093	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

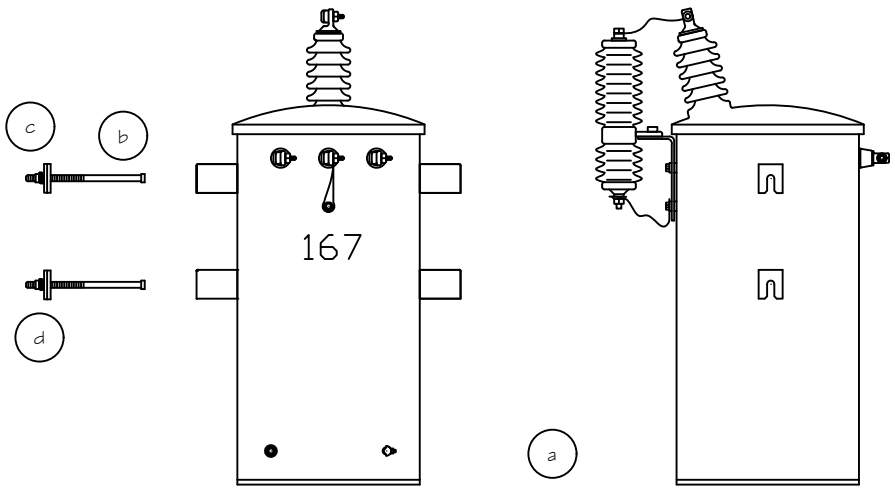
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE, 24.94 x 12.47 75 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T75V8A
T75V9A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T100S4A	T167S4A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP, 100 KVA 24.94 GRDY/14.4 - 120/240	1-295-421	1	-	
a	TRANSFORMER, CSP, 167 KVA 24.94 GRDY/14.4 - 120/240	1-295-420	-	1	
b	BOLT, MACHINE, 3/4" x 12" w/ NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

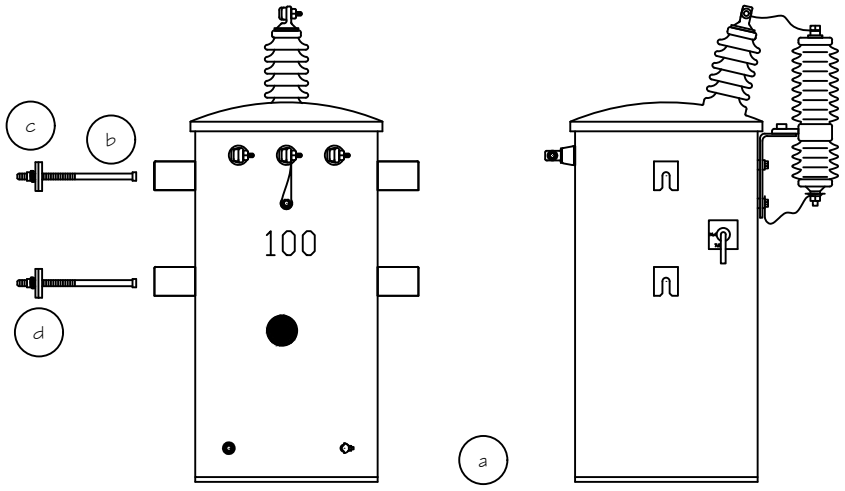
TRANSFORMER, 14.4 KV, CSP
100 KVA & 167 KVA
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. GIBBS	DATE: MAY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T100S4A
T167S4A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T10055A	T10056A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CSP,100 KVA 24.94 GRDY/14.4 x 12.47 GRDY/7.2 - 120/240	1-295-417	1	1	
b	BOLT, MACHINE, 3/4" x 12" w/ NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

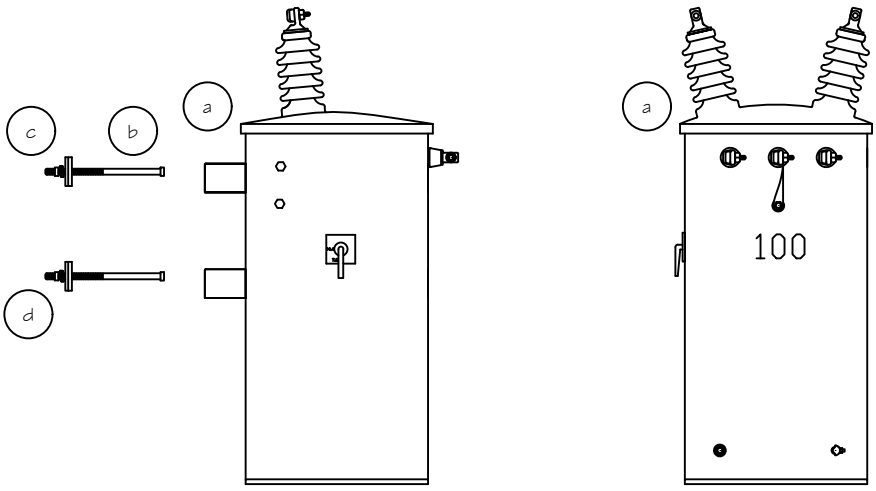
TRANSFORMER, 100 KVA, CSP
DUAL VOLTAGE
120 / 240 V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 25, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T10055A
T10056A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T100V5A	T100V6A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 100 KVA, 14.4/24.94Y x 7.2/12.47Y-120/240	1-295-101	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

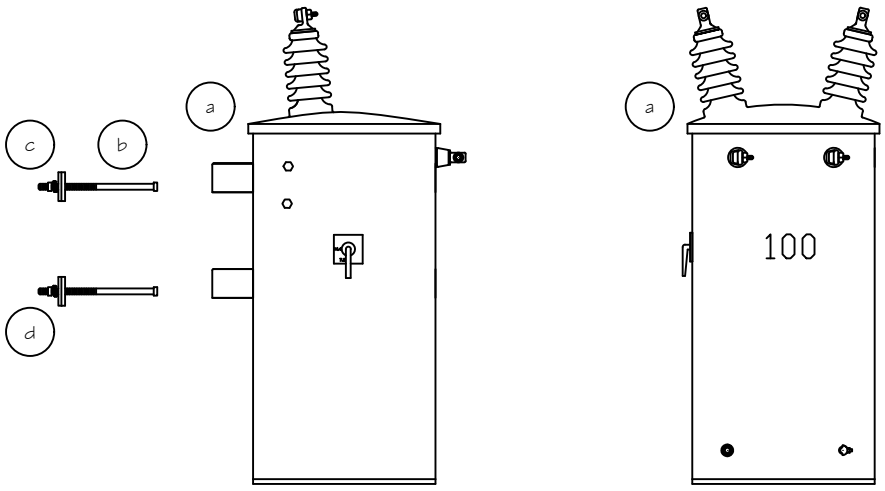
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 100 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 15, 2005

ASSEMBLY ID.

T100V5A
T100V6A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T100V5F	T100V6F	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 100 KVA, 14.4/24.94Y x 7.2/12.47Y - 277	1-295-106	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

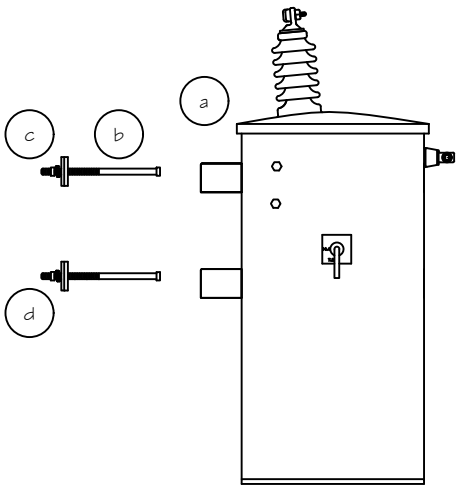
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 100 KVA, 277V SECONDARY

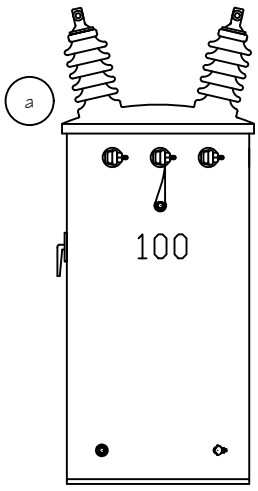
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 18, 2005

ASSEMBLY ID.

T100V5F
T100V6F





12.47 KV

24.94 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T100V8A	T100V9A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 100 KVA, 24.94 x 12.47 - 120/240	1-295-118	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

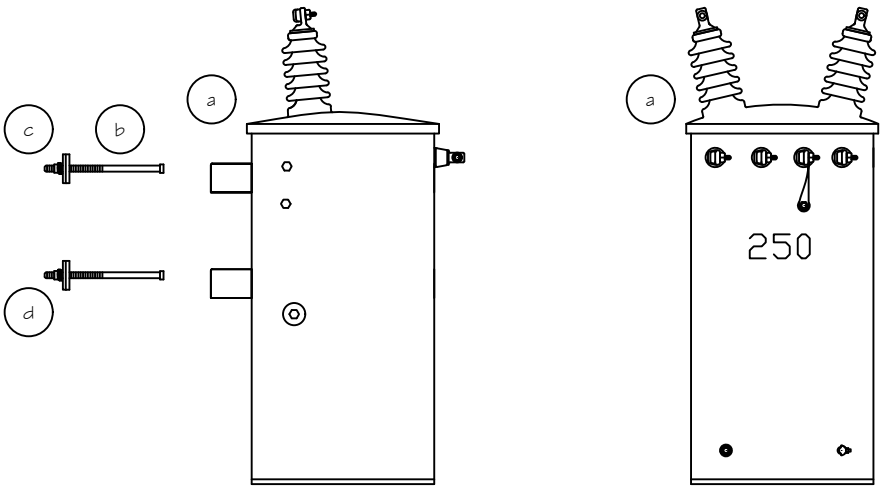
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE, 24.94 x 12.47 100 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.

T100V8A
T100V9A



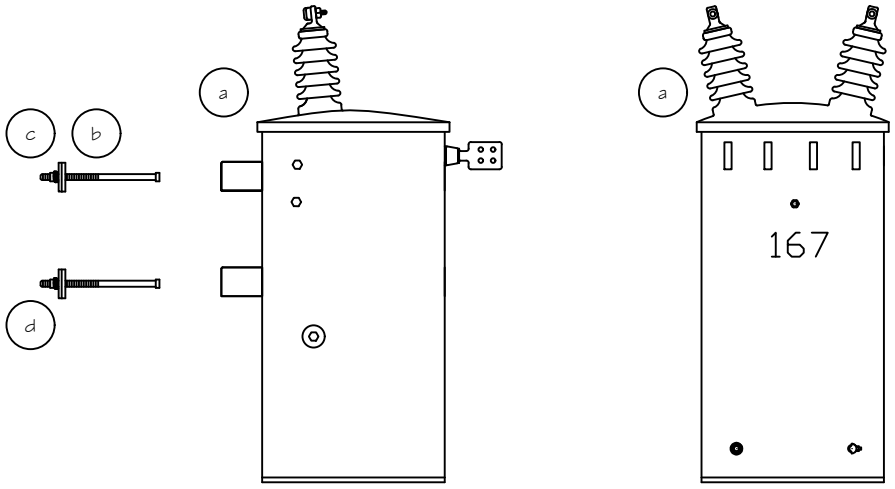
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T167V1A	T250V1A	T333V1A	T500V1A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 167 KVA, 7.2/12.42Y - 120/240	1-295-142	1	-	-	-
a	TRANSFORMER, CONV., 250 KVA, 7.2/12.42Y - 120/240	1-295-166	-	1	-	-
a	TRANSFORMER, CONV., 333 KVA, 7.2/12.42Y - 120/240	1-295-176	-	-	1	-
a	TRANSFORMER, CONV., 500 KVA, 7.2/12.42Y - 120/240	1-295-183	-	-	-	1
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	2	2

TRANSFORMER, CONVENTIONAL
7.2KV
167, 250, 333, & 500 KVA
120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.
T167V1A
T250V1A
T333V1A
T500V1A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T167V3A	T250V3A	T333V3A
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 167 KVA, 13.2/22.86Y - 120/240	1-295-140	1	-	-
a	TRANSFORMER, CONV., 250 KVA, 13.2/22.86Y - 120/240	1-295-165	-	1	-
a	TRANSFORMER, CONV., 333 KVA, 13.2/22.86Y - 120/240	1-295-175	-	-	1
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	2
				REMOVAL ONLY	

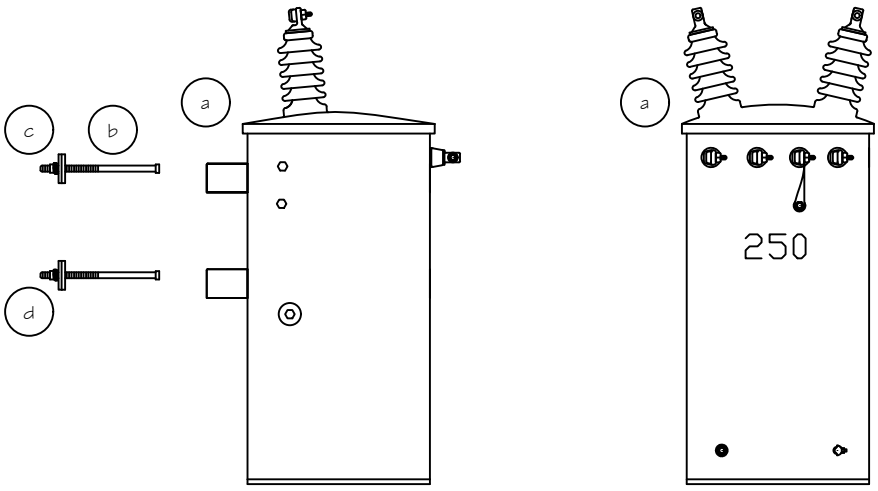
TRANSFORMER, CONVENTIONAL 13.2KV, 167, 250, & 333 KVA 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE, 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: May 27, 2008

ASSEMBLY ID.

T167V3A
T250V3A
T333V3A



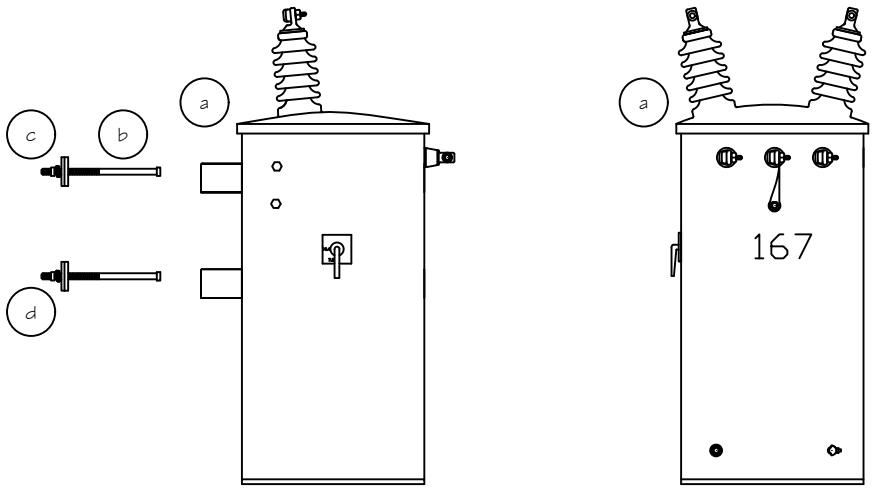
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T167V4A	T250V4A	T333V4A	T500V4A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 167 KVA, 14.4/24.94Y - 120/240	1-295-143	1	-	-	-
a	TRANSFORMER, CONV., 250 KVA, 14.4/24.94Y - 120/240	1-295-167	-	1	-	-
a	TRANSFORMER, CONV., 333 KVA, 14.4/24.94Y - 120/240	1-295-177	-	-	1	-
a	TRANSFORMER, CONV., 500 KVA, 14.4/24.94Y - 120/240	1-295-182	-	-	-	1
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	2	2

TRANSFORMER, CONVENTIONAL 14.4KV, 167, 250, 333, & 500 KVA 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.
T167V4A
T250V4A
T333V4A
T500V4A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T167V5A	T167V6A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 167 KVA, 14.4/24.94Y x 7.2/12.47Y - 120/240	1-295-141	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

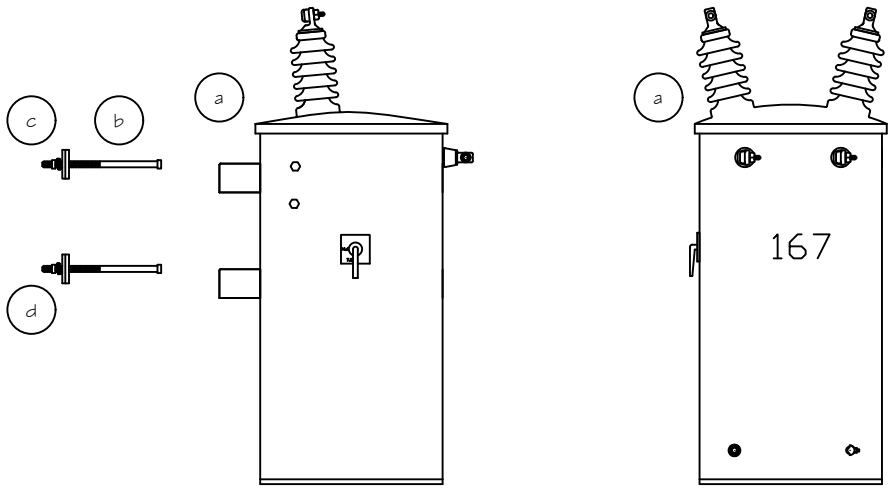
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 167 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.

T167V5A
T167V6A



7.2 KV

14.4 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T167V5F	T167V6F	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 167 KVA, 14.4/24.94Y x 7.2/12.47Y - 277	1-295-136	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	

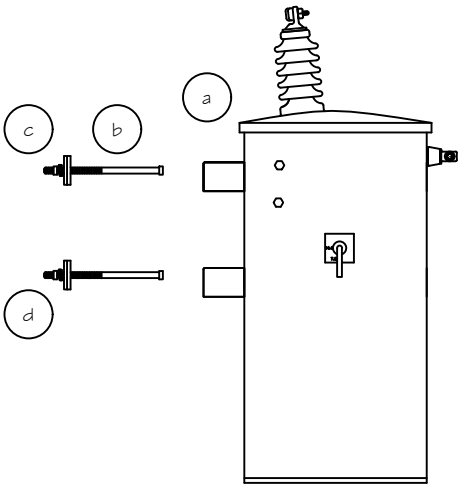
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE 167 KVA, 277V SECONDARY

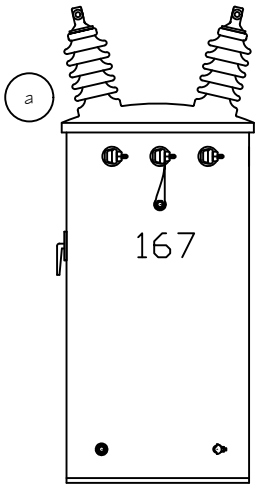
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.

T167V5F
T167V6F





12.47 KV

24.94 KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T167V8A	T167V9A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 167 KVA, 24.94 x 12.47 - 120/240	1-295-138	1	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARED, CURVED, 4"	1-325-780	2	2	

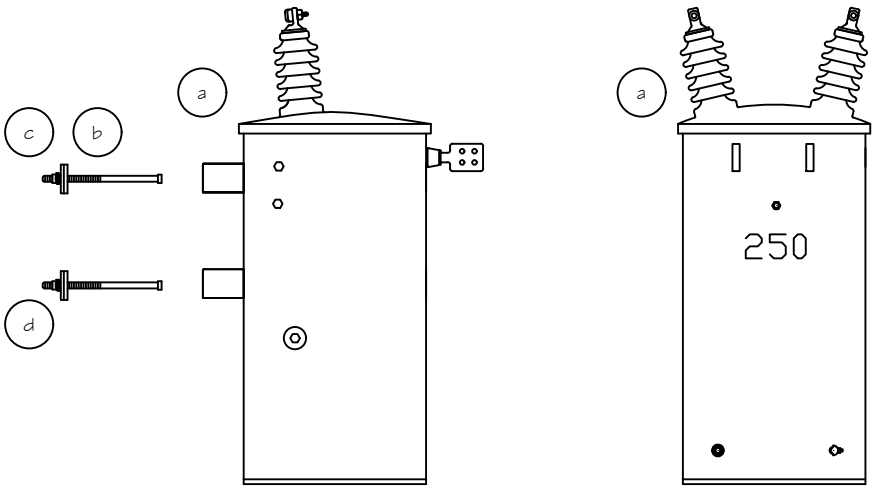
TRANSFORMER, CONVENTIONAL DUAL VOLTAGE, 24.94 x 12.47 167 KVA, 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.

T167V8A
T167V9A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T250V2A		
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 250 KVA, 12.0 KV - 120/240	1-295-158	1		
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2		
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2		
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2		

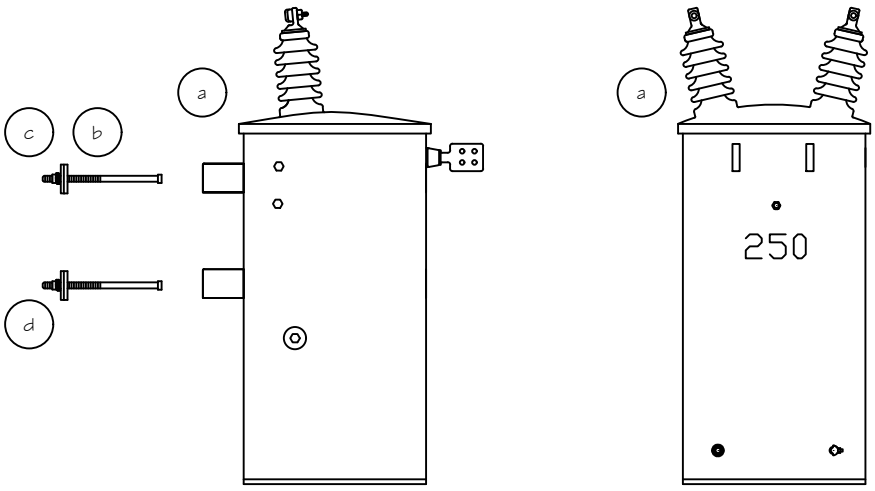
TRANSFORMER, CONVENTIONAL 12KV, 250 KVA 120/240V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.

T250V2A



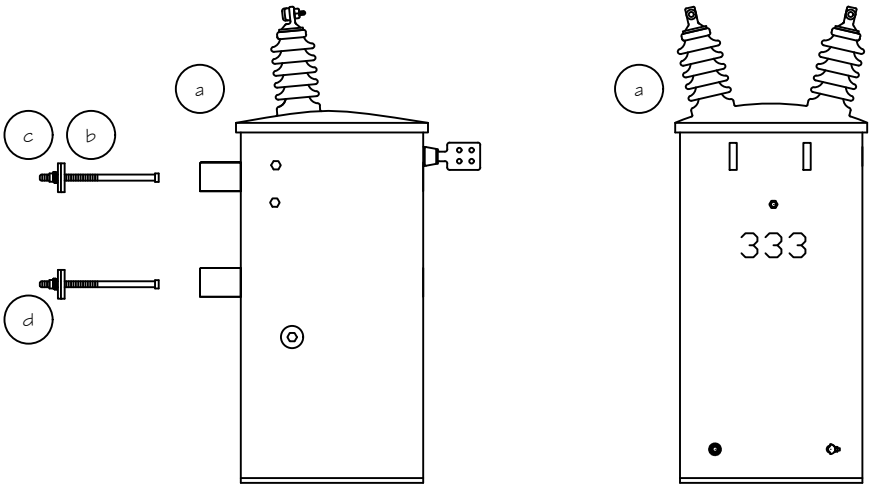
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T250V2F	T333V2F	T500V2F
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 250 KVA, 12.0 KV - 277	1-295-160	1	-	-
a	TRANSFORMER, CONV., 333 KVA, 12.0 KV - 277	1-295-170	-	1	-
a	TRANSFORMER, CONV., 500 KVA, 12.0 KV - 277	1-295-180	-	-	1
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	2
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	2
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	2

TRANSFORMER, CONVENTIONAL 12KV, 250, 333 & 500 KVA 277V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 27, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.
T250V2F
T333V2F
T500V2F



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T333V3F	T500V3F	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, CONV., 333 KVA, 13.2/22.86Y - 277	1-295-169	1	-	
a	TRANSFORMER, CONV., 500 KVA, 13.2/22.86Y - 277	1-295-178	-	1	
b	BOLT, MACHINE, 3/4" x 12", w/NUT	1-325-210	2	2	
c	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 3/4"	1-325-734	2	2	
d	WASHER, SQUARE, CURVED, 4"	1-325-780	2	2	

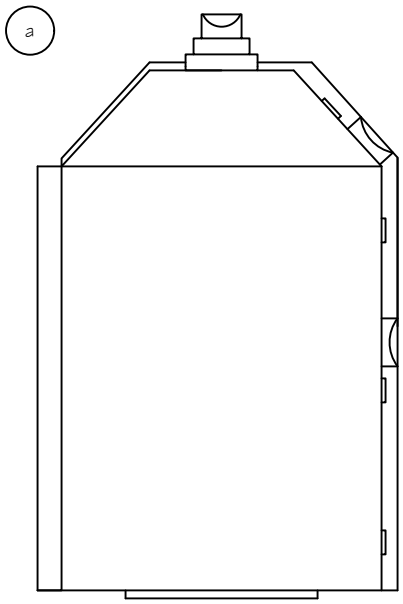
TRANSFORMER, CONVENTIONAL 13.2KV, 333 & 500 KVA 277V SECONDARY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

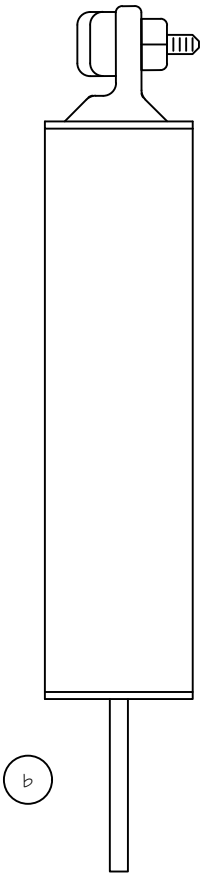
DRAWN BY: ED SMITH	DATE: JULY 17, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 17, 2005

ASSEMBLY ID.

T333V3F
T500V3F



SQLGARD1



SQLGARD3

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SQLGARD1 QUANTITY	SQLGARD3 QUANTITY	QUANTITY
a	GUARD, SQUIRREL/BIRD, 4" x 8"	1-030-900	1	-	
a	GUARD, WILDLIFE w/FUSE APERTURE, 4" x 8"	1-030-910	-	1	
b	FUSE, CURRENT-LIMITING COMPANION, 25A	1-140-057	-	1	

SQUIRREL GUARDS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SQLGARD1
SQLGARD3

CONDUCTOR CONNECTOR COMPLEMENT - UNDERGROUND

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	CONNECTOR COMPLEMENT FOR 1/0AL PRIMARY		
CC1LF10	ELBOW, 25KV 200A LOADBREAK, 1/0AL	1-110-015	2
	SEAL FOR 200A ELBOW	1-110-075	2
	CONNECTOR, AL. STUD, 8 X 350 MCM	1-075-350	3
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	INSERT, EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	CONNECTOR COMPLEMENT FOR 4/0AL PRIMARY		
CC1LF40	ELBOW, 25KV 200A LOADBREAK, 4/0AL	1-110-018	2
	SEAL FOR 200A ELBOW	1-110-075	2
	CONNECTOR, AL. STUD, 8 X 350 MCM	1-075-350	3
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	INSERT, EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	CONNECTOR COMPLEMENT FOR #2 PRIMARY		
CC1LF02	ELBOW, 25KV 200A DEADBREAK, #2-220 MIL	1-110-010	2
	SEAL FOR 200A ELBOW	1-110-075	2
	CONNECTOR, AL. STUD, 8 X 250 MCM	1-075-350	1
	CONNECTOR, AL. STUD, 8 X 250 MCM, W/COVER	1-075-352	2
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	INSERT, EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	2

FOR REMOVAL OR TRANSFER ONLY

CONNECTOR COMPLEMENT FOR SINGLE PHASE PADMOUNT & SUBSURFACE TRANSFORMERS LOOP FEED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	REV: 08/03/2023 DK

ASSEMBLY ID.

CC1LF10
CC1LF40
CC1LF02

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	CONNECTOR COMPLEMENT FOR 1/0AL PRIMARY		
CC1LP10	ELBOW, 25KV 200A LOADBREAK, 1/0AL	1-110-015	2
	SEAL FOR 200A ELBOW	1-110-075	2
	CONNECTOR, AL. STUD, 8 X 350 MCM	1-075-350	3
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	INSERT, EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	CONNECTOR COMPLEMENT FOR 4/0AL PRIMARY		
CC1LP40	ELBOW, 25KV 200A LOADBREAK, 4/0AL	1-110-018	2
	SEAL FOR 200A ELBOW	1-110-075	2
	CONNECTOR, AL. STUD, 8 X 350 MCM	1-075-350	3
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	INSERT, EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	CONNECTOR COMPLEMENT FOR #2 PRIMARY		
CC1LP02	ELBOW, 25KV 200A DEADBREAK, #2-220 MIL	1-110-010	2
	SEAL FOR 200A ELBOW	1-110-075	2
	CONNECTOR, AL. STUD, 8 X 250 MCM	1-075-350	1
	CONNECTOR, AL. STUD, 8 X 250 MCM, W/COVER	1-075-352	2
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	INSERT, EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	NOTES:		
	SPECIFY ELBOW LIGHTNING ARRESTERS AND PARKING STAND LIGHTNING ARRESTERS SEPARATELY		

FOR REMOVAL OR TRANSFER ONLY

CONNECTOR COMPLEMENT FOR SINGLE PHASE PADMOUNT & SUBSURFACE TRANSFORMERS LOOP FEED OPEN POINT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	REV: 08/03/2023 DK

ASSEMBLY ID.

CC1LP10
CC1LP40
CC1LP02

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	CONNECTOR COMPLEMENT FOR 1/0AL PRIMARY		
CC1RF10	ELBOW, 25KV 200A LOADBREAK, 1/0AL	1-110-015	1
	SEAL FOR 200A ELBOW	1-110-075	1
	INSERT, EXT, LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	CONNECTOR, AL. STUD, 8 X 350 MCM	1-075-350	3
	CONNECTOR COMPLEMENT FOR 4/0AL PRIMARY		
CC1RF40	ELBOW, 25KV 200A LOADBREAK, 4/0AL	1-110-018	1
	SEAL FOR 200A ELBOW	1-110-075	1
	INSERT, EXT, LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	CONNECTOR, AL. STUD, 8 X 350 MCM	1-075-350	3
	CONNECTOR COMPLEMENT FOR #2 PRIMARY		
CC1RF02	ELBOW, 25KV 200A DEADBREAK, #2-220 MIL	1-110-010	1
	SEAL FOR 200A ELBOW	1-110-075	1
	INSERT, EXT, LOADBREAK BUSHING, 200A, 25KV	1-030-825	2
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	CONNECTOR, PRL.GRVE. COMP., #2 - #2 CU.	1-075-314	2
	CONNECTOR, AL. STUD, 8 X 350 MCM	1-075-350	3
	NOTES:		
	SPECIFY ELBOW LIGHTNING ARRESTERS SEPARATELY		

FOR REMOVAL OR TRANSFER ONLY

CONNECTOR COMPLEMENT FOR SINGLE PHASE PADMOUNT & SUBSURFACE TRANSFORMERS RADIAL FEED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	REV: 08/03/2023 DK

ASSEMBLY ID.
CC1RF10
CC1RF40
CC1RF02

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	CONNECTOR COMPLEMENT FOR 1/0AL PRIMARY		
CC3RF10	ELBOW, 25KV 200A LOADBREAK, 1/0AL	1-110-015	3
	SEAL FOR 200A ELBOW	1-110-075	3
	INSERT,EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	6
	GRD CONN. #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	CONNECTOR COMPLEMENT FOR 4/0AL PRIMARY		
CC3RF40	ELBOW, 25KV 200A LOADBREAK, 4/0AL	1-110-018	3
	SEAL FOR 200A ELBOW	1-110-075	3
	INSERT, EXT., LOADBREAK BUSHING, 200A, 25KV	1-030-825	6
	GRD CONN., #10, CU., SOLID-#1, CU., STRD	1-075-030	1
	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	2
	NOTES:		
	SPECIFY LIGHTNING ARRESTERS SEPARATELY		

CONNECTOR COMPLEMENT FOR THREE PHASE PADMOUNT & SUBSURFACE TRANSFORMERS RADIAL FEED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	REV: 08/03/2023 DK

ASSEMBLY ID.

CC3RF10
CC3RF40

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	ELBOW CONNECTORS -- 200 AMP -- LOADBREAK		
EC1OLB	ELBOW, 25 kV, 200A LOADBREAK, 1/0 AL	1-110-015	1
	SEAL, COLD SHRINK, 0.95" - 1.94"	1-110-075	1
EC4OLB	ELBOW, 25 kV, 200A LOADBREAK, 4/0 AL	1-110-018	1
	SEAL, COLD SHRINK, 0.95" - 1.94"	1-110-075	1
EC1OLB-RPR	ELBOW, REPAIR,25 kV, 200A LOADBREAK, 1/0 AL	1-110-014	1
	SEAL, COLD SHRINK, 0.95" - 1.94"	1-110-075	1
EC-LB-GND	ELBOW, 25 kV, 200A LOADBREAK, GROUNDING	1-110-080	1
	ELBOW CONNECTORS -- 200 AMP -- DEADBREAK (NLB)		
EC02DB	ELBOW, 25 kV, 200A DEADBREAK, #2-220 MIL	1-110-010	1
	SEAL, COLD SHRINK, 0.95" - 1.94"	1-110-075	1
EC1ODB	ELBOW, 25 kV, 200A DEADBREAK, 1/0 AL	1-110-070	1
	SEAL, COLD SHRINK, 0.95" - 1.94"	1-110-075	1
	ELBOW CONNECTORS - 600 AMP - DEADBREAK (NLB)		
EC600BH	ELBOW, 25 kV, 600A BASIC HOUSING	1-110-020	1
	SEAL, COLD SHRINK, 0.95" - 1.94"	1-110-075	1
EC600BH-TP	ELBOW, 25 kV, 600A BASIC HOUSING w/TEST POINT	1-110-022	1
	SEAL, COLD SHRINK, 0.95" - 1.94"	1-110-075	1

ELBOWS for
SEPARABLE CONNECTOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: OCTOBER 14, 2005
CHECKED BY:	SCALE: NONE
APPROVED BY:	REV: 08/03/2023 DK

ASSEMBLY ID.

ELBOW
CONNECTORS

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	UNDERGROUND -- REPAIR SLEEVES		
SPLB010A	SPLICE, REPAIR, #2 STR - #1/0 SOLID ALCN, 25 KV	1-315-055	1
SPLB002A	SPLICE, REPAIR, #2 STR - #1/0 SOLID ALCN, 25 KV	1-315-055	1
SPLB002A-15KV	SPLICE, REPAIR, #2 STR ALCN, 25KV	1-315075	1
SPLB020A	SLEEVE, REPAIR, #2/0 AL, 10", URD	1-270-152	1
SPLB040A	SLEEVE, REPAIR, #4/0 AL, 10" URD	1-270-153	1
	UNDERGROUND -- COMPLETE SPLICE KITS		
SPLK010A	SPLICE, #2 STR - #1/0 SOLID ALCN, 25KV	1-315-060	1
SPLK002A	SPLICE, 600 V URD KIT, #2	1-270-530	1
SPLK006A	SPLICE, 600 V URD KIT, #6	1-270-534	1
SPLK020A	SPLICE, 600 V URD KIT, #2/0	1-270-540	1
SPLK040A	SPLICE, 600 V URD KIT, #4/0	1-270-544	1
SPLK350A	SPLICE, 600 V URD KIT, #350	1-270-546	1
SPLK500A	SPLICE, 600 V URD KIT, #500	1-270-548	1
	UNDERGROUND -- SPLICING SLEEVE ONLY		
SPLF500A	SLEEVE, AL., 500 MCM (URD) (USED in TAPE SPLICES)	1-270-010	1
SPLF750A	SLEEVE, AL., 750 MCM (URD) (USED in TAPE SPLICES)	1-270-020	1
	UNDERGROUND -- PLUG and SOCKET TYPE		
SPLP040A	SPLICE, CABLE, #4/0 AL-JCN, 25KV	1-315-088	1
SPLP750A	SPLICE, CABLE, #750 MCM, 25KV (REMOVAL ONLY)	1-315-090	1

SPLICES and/or SLEEVES
for
UNDERGROUND CONDUCTORS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW III	DATE: MARCH 9, 2006
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: FEBRUARY 10, 2008

ASSEMBLY ID.

UGSPL01

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	UNDERGROUND -- COLD SHRINK SPLICE COVERS		
COLDSHK2/0	SLEEVE, COLD SHRINK, 600V URD, #2/0 - #4/0 AL	1-270-600	1
COLDSHK4/0	SLEEVE, COLD SHRINK, 600V URD, #2/0 - #4/0 AL	1-270-600	1
COLDSHK006	SLEEVE, COLD SHRINK, 600V URD, #6 - #4 AL	1-270-565	1
COLDSHK002	SLEEVE, COLD SHRINK, 600V URD, #2 - #500 AL	1-270-610	1
COLDSHK010	SLEEVE, COLD SHRINK, 600V URD, #2/0 - #500 AL	1-270-610	1
COLDSHK750	SPLICE, CABLE, COLD SHRINK, 750 MCM, 25KV, CN	1-315-100	1
	UNDERGROUND -- COLD SHRINK REJACKET		
COLDSHK01OR	SLEEVE, COLD SHRINK, REJACKET, 25KV, #1/0 ALCN, SPLICE	1-270-575	1
	UNDERGROUND -- HEAT SHRINK REPAIR SLEEVES		
HEATSHK	SLEEVE, CABLE JACKET REPAIR (FOR ALL CABLES LESS THAN 600 VOLTS)	1-270-155	1

COLD SHRINK SPLICES COVERS for UNDERGROUND CONDUCTORS

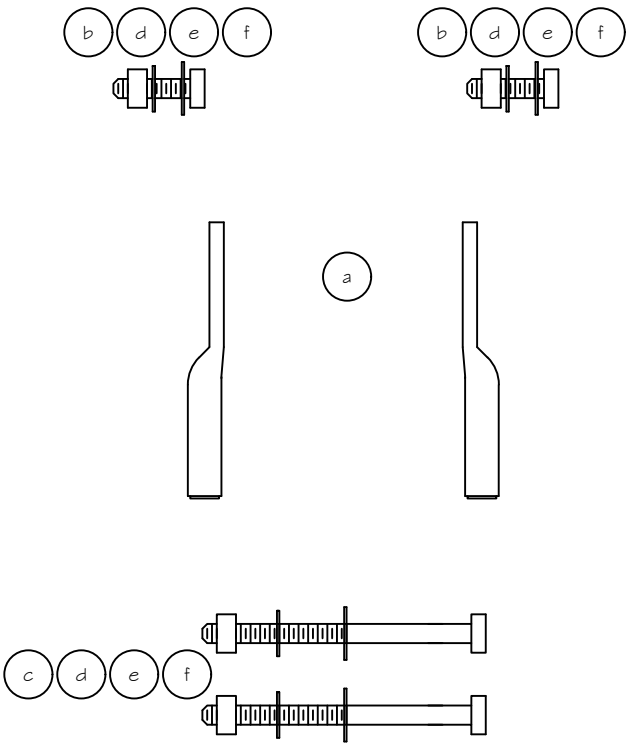
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW III	DATE: MARCH 9, 2006
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: September 18, 2009

ASSEMBLY ID.

UGSPL02

CONDUCTOR ATTACHMENT & CONNECTION - UNDERGROUND



USE WITH INTEGRAL WEB CHANNEL BUS

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS020A	SCTD020A	SCTL020A
			QUANTITY	QUANTITY	QUANTITY
a	SPADE, 500MCM, CAST ALUMINUM, 2-HOLE OFFSET TERM.	1-075-210	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

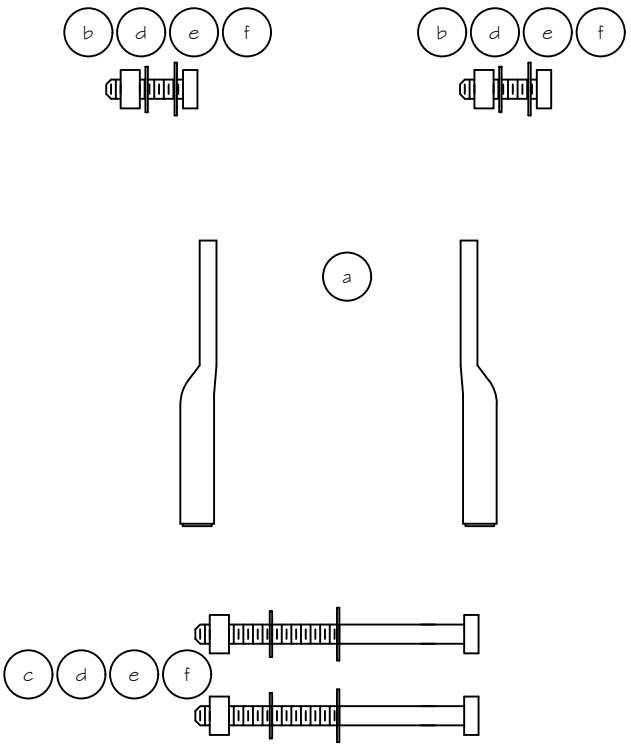
SECONDARY CONDUCTOR TERMINALS FOR 2/0 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTS020A
SCTD020A
SCTL020A



USE WITH INTEGRAL WEB CHANNEL BUS

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS040A	SCTD040A	SCTL040A
			QUANTITY	QUANTITY	QUANTITY
a	SPADE, 4/0 ALUMINUM, 2-HOLE OFFSET TERM.	1-075-205	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

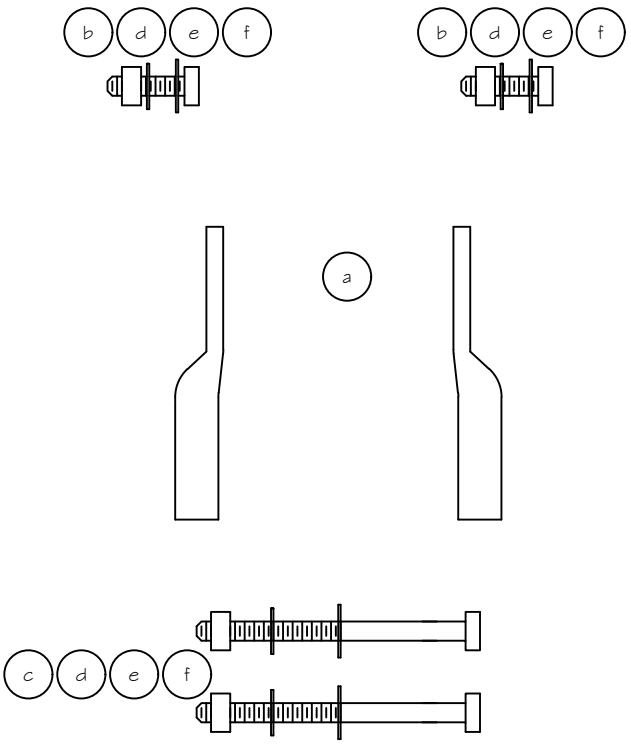
SECONDARY CONDUCTOR TERMINALS FOR 4/0 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTS040A
SCTD040A
SCTL040A



USE WITH INTEGRAL WEB CHANNEL BUS

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS250A QUANTITY	SCTD250A QUANTITY	SCTL250A QUANTITY
a	SPADE, 250 MCM, 2-HOLE, TERMINAL	1-075-185	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

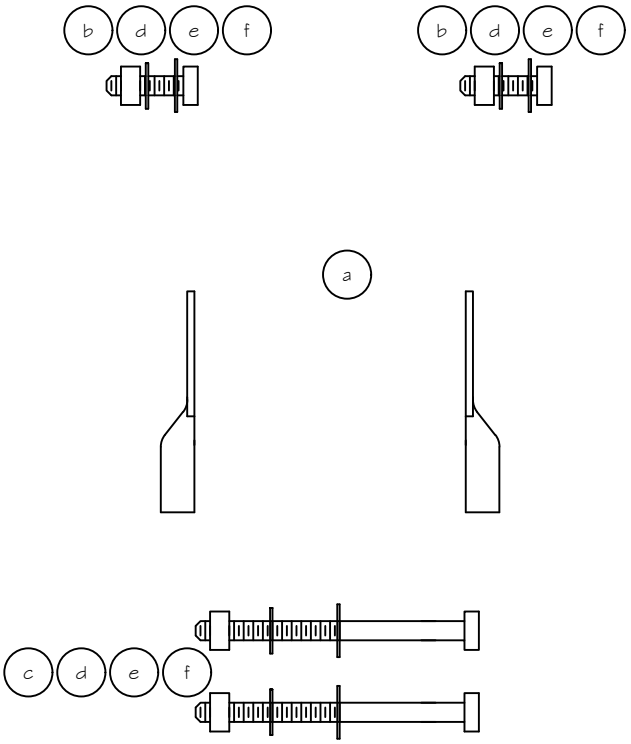
SECONDARY CONDUCTOR TERMINALS FOR 250 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTS250A
SCTD250A
SCTL250A



USE WITH INTEGRAL WEB CHANNEL BUS

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS350A QUANTITY	SCTD350A QUANTITY	SCTL350A QUANTITY
a	SPADE, 350 MCM, 2-HOLE, TERMINAL	1-075-190	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

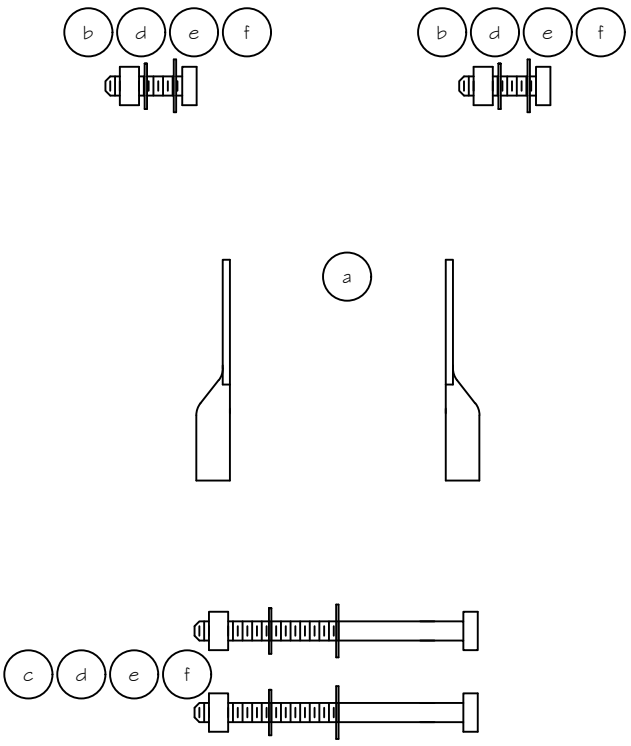
SECONDARY CONDUCTOR TERMINALS FOR 350 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTS350A
SCTD350A
SCTL350A



USE WITH INTEGRAL WEB CHANNEL BUS

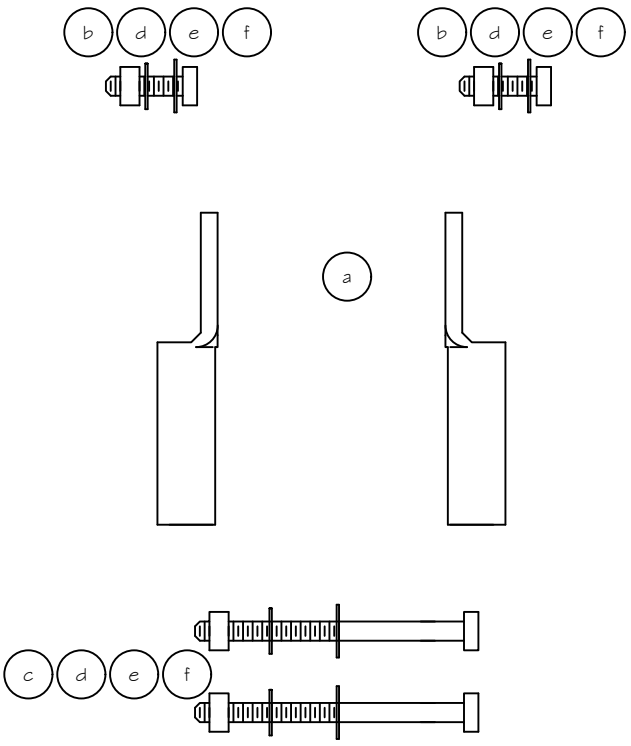
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS350C QUANTITY	SCTD350C QUANTITY	SCTL350C QUANTITY
a	LUG, 2-HOLE COMP., TERMINAL, 350 COPPER	1-075-191	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

SECONDARY CONDUCTOR TERMINALS FOR 350 COPPER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SCTS350C
SCTD350C
SCTL350C



USE WITH INTEGRAL WEB CHANNEL BUS

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS500A	SCTD500A	SCTL500A
			QUANTITY	QUANTITY	QUANTITY
a	SPADE, 500 MCM, CAST ALUMINUM, 2-HOLE OFFSET TERM.	1-075-220	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

SECONDARY CONDUCTOR TERMINALS FOR 500 ALUMINUM

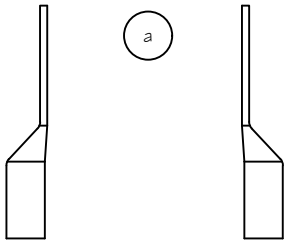
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

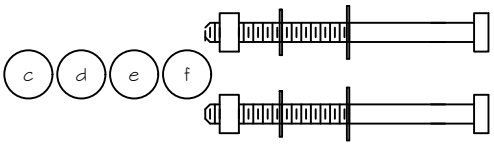
DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTS500A
SCTD500A
SCTL500A







USE WITH INTEGRAL WEB CHANNEL BUS

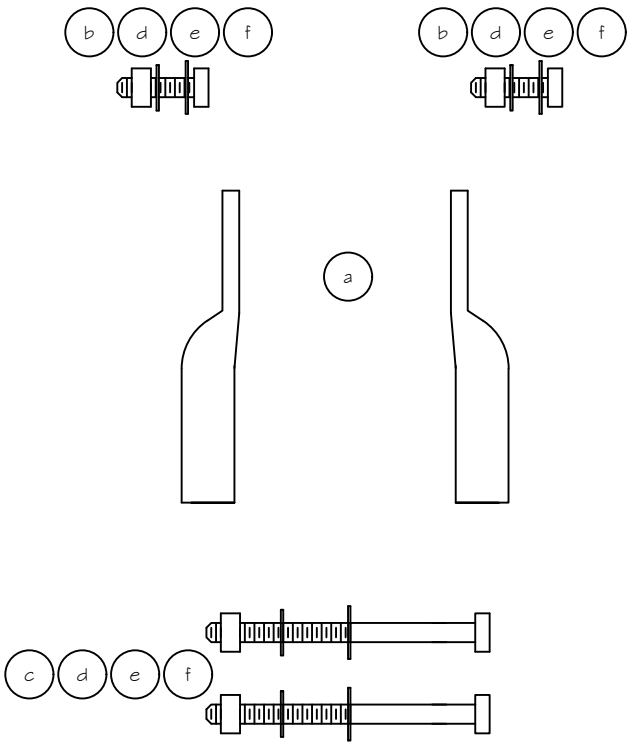
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS500C	SCTD500C	SCTL500C
			QUANTITY	QUANTITY	QUANTITY
a	LUG, 2-HOLE COMP., TERMINAL, 500 COPPER	1-075-190	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

SECONDARY CONDUCTOR TERMINALS FOR 500 COPPER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SCTS500C
SCTD500C
SCTL500C



USE WITH INTEGRAL WEB CHANNEL BUS

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS600A	SCTD600A	SCTL600A
			QUANTITY	QUANTITY	QUANTITY
a	SPADE, 600 MCM, 2-HOLE, TERMINAL	1-075-195	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

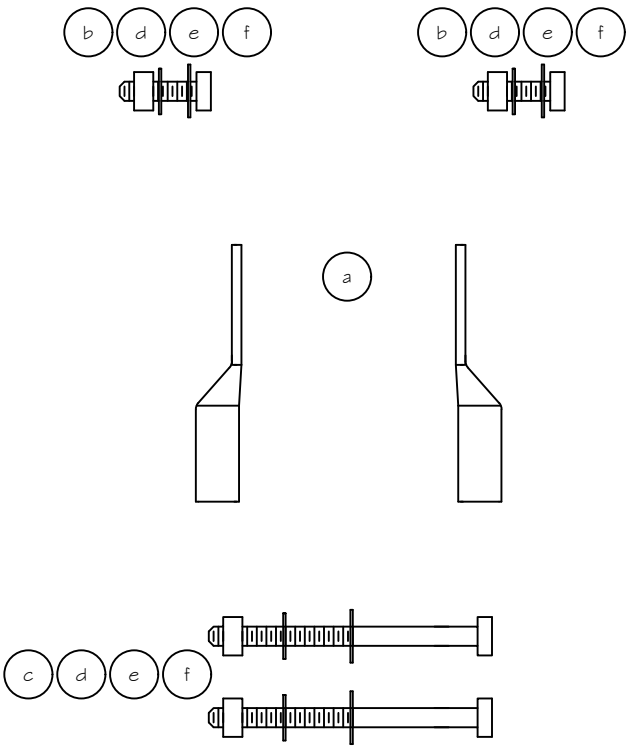
SECONDARY CONDUCTOR TERMINALS FOR 600 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTS600A
SCTD600A
SCTL600A



USE WITH INTEGRAL WEB CHANNEL BUS

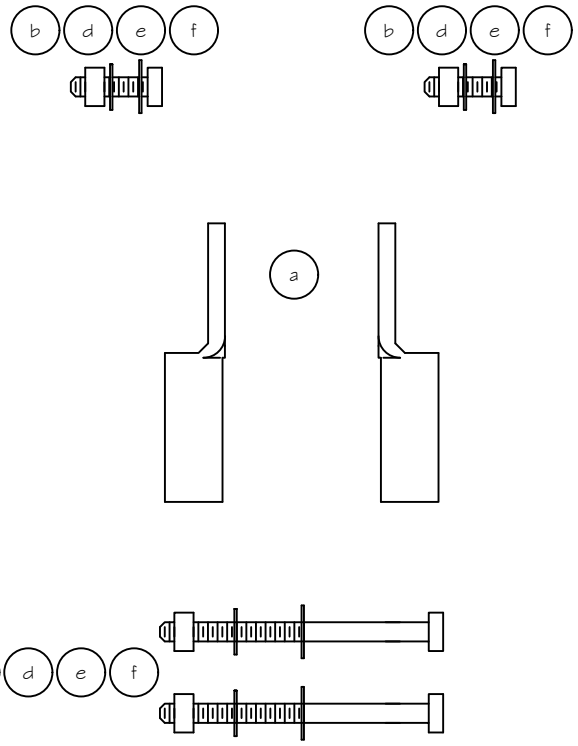
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS600C	SCTD600C	SCTL600C
			QUANTITY	QUANTITY	QUANTITY
a	LUG, 2-HOLE COMP., TERMINAL, 600 COPPER	1-075-197	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

SECONDARY CONDUCTOR TERMINALS FOR 600 COPPER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SCTS600C
SCTD600C
SCTL600C



USE WITH INTEGRAL WEB CHANNEL BUS

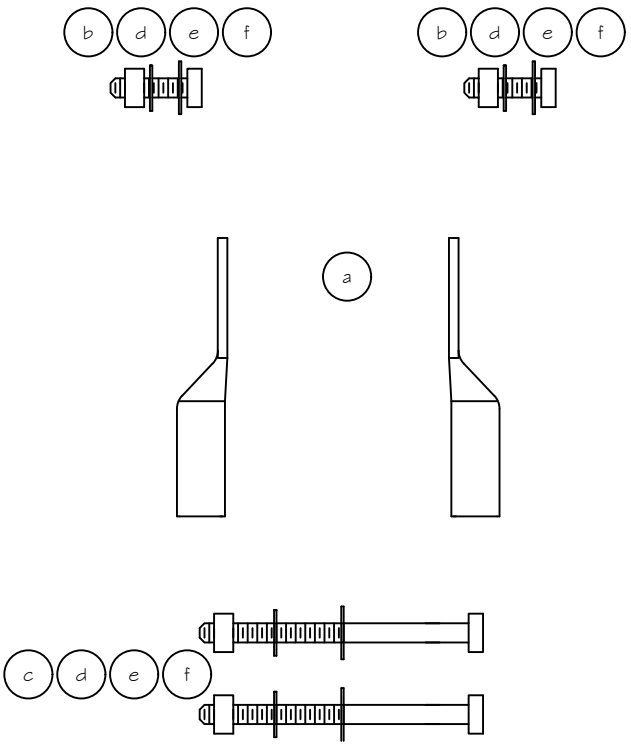
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS750A QUANTITY	SCTD750A QUANTITY	SCTL750A QUANTITY
a	SPADE, 750 MCM, CAST ALUMINUM, 2-HOLE OFFSET, TERM.	1-075-225	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

SECONDARY CONDUCTOR TERMINALS FOR 750 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SCTS750A
SCTD750A
SCTL750A



USE WITH INTEGRAL WEB CHANNEL BUS

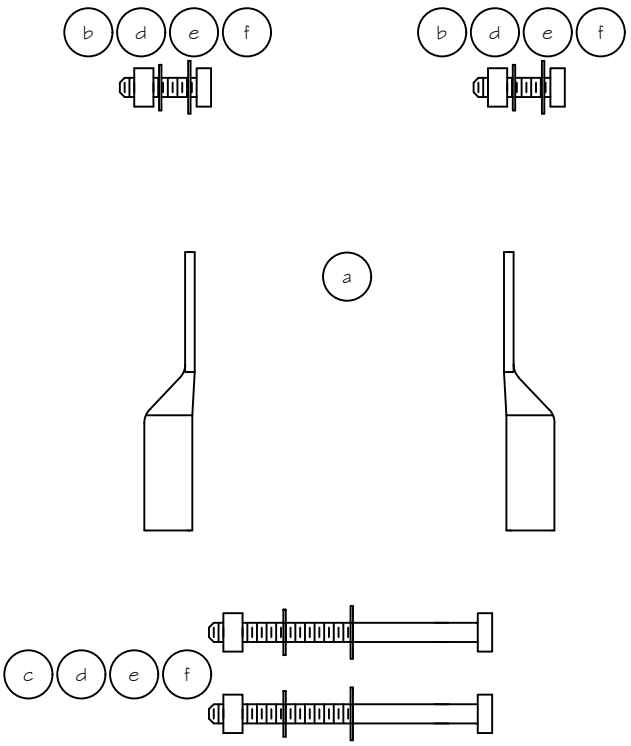
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS750C QUANTITY	SCTD750C QUANTITY	SCTL750C QUANTITY
a	LUG, 2-HOLE, COMP., TERMINAL, 750 COPPER	1-075-201	1	2	2
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	-
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	2
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	2
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	2
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	2

SECONDARY CONDUCTOR TERMINALS FOR 750 COPPER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SCTS750C
SCTD750C
SCTL750C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTS954A	SCTD954A	
			QUANTITY	QUANTITY	QUANTITY
a	SPADE, 954 MCM, 2-HOLE OFFSET, TERMINAL	1-075-205	1	2	
b	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	
c	BOLT, STAINLESS STEEL, 1/2" x 7"	1-325-244	-	-	
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	

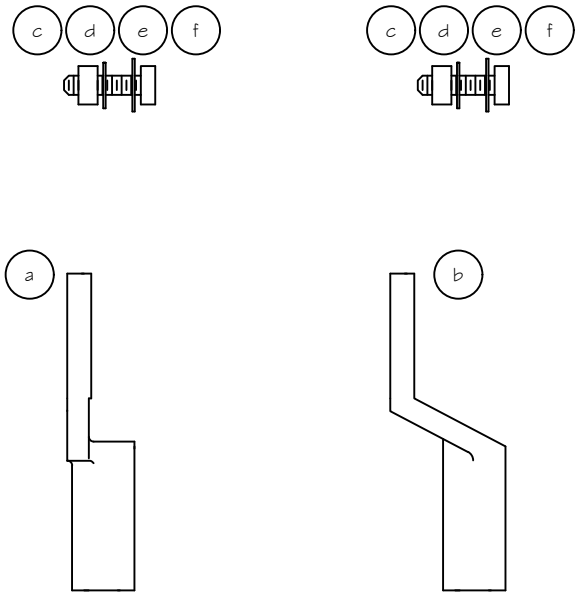
SECONDARY CONDUCTOR TERMINALS FOR 954 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTS954A
SCTD954A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SCTX750A QUANTITY	SCTY750A QUANTITY	QUANTITY
a	SPADE, 750 MCM, 2-HOLE OFFSET, TERMINAL	1-075-235	1	1	
b	SPADE, 750 MCM, STACKING LUG, 2-HOLE TERMINAL	1-075-230	-	1	
c	BOLT, STAINLESS STEEL, 1/2" x 2"	1-325-230	2	2	
d	NUT, STAINLESS STEEL, 1/2"	1-325-580	2	2	
e	WASHER, FLAT, STAINLES STEEL, 1/2"	1-325-703	2	2	
f	WASHER, BELLEVILLE, 1/2"	1-325-705	2	2	

SECONDARY CONDUCTOR TERMINALS STACKING FOR 750 ALUMINUM

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SCTX750A
SCTY750A

TRANSFORMER - UNDERGROUND

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	24.94GRDY/14.4x12.47GRDY/7.2-240/120 (Dual Voltage)		
T25P6A	TRANSFMR, PDMT, 25KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-610	1
T50P6A	TRANSFMR, PDMT, 50KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-630	1
T75P6A	TRANSFMR, PDMT, 75KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-640	1
T100P6A	TRANSFMR, PDMT, 100KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-655	1
T167P6A	TRANSFMR, PDMT, 167KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-695	1
	24.94GRDY/14.4-240/120		
T25P4A	TRANSFMR, PDMT, 25KVA, 24.94GRDY/14.4-240/120	1-295-608	1
T50P4A	TRANSFMR, PDMT, 50KVA, 24.94GRDY/14.4-240/120	1-295-625	1
T100P4A	TRANSFMR, PDMT, 100KVA, 24.94GRDY/14.4-240/120	1-295-650	1
T167P4A	TRANSFMR, PDMT, 100KVA, 24.94GRDY/14.4-240/120	1-295-690	1
	24.94GRDY/14.4 x 12.47GRDY/7.2-480/240 (Dual Voltage)		
T25P6D	TRANSFMR, PDMT, 25KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480/240	1-295-613	1
T50P6D	TRANSFMR, PDMT, 50KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480/240	1-295-621	1
T100P6D	TRANSFMR, PDMT, 100KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480/240	1-295-656	1

PADMOUNTED TRANSFORMERS
Operated at 14.4kV
SINGLE PHASE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 16, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Padmount
1PH01

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	24.47GRDY/7.2-240/120		
T25P1A	TRANSFMR, PDMT, 25KVA, 12.47GRDY/7.2-240/120	1-295-605	1
T50P1A	TRANSFMR, PDMT, 50KVA, 12.47GRDY/7.2-240/120	1-295-620	1
T75P1A	TRANSFMR, PDMT, 75KVA, 12.47GRDY/7.2-240/120	1-295-635	1
T100P1A	TRANSFMR, PDMT, 100KVA, 12.47GRDY/7.2-240/120	1-295-645	1
T167P1A	TRANSFMR, PDMT, 167KVA, 12.47GRDY/7.2-240/120	1-295-685	1
	24.94GRDY/14.4-240/120 (Dual Voltage)		
T25P5A	TRANSFMR, PDMT, 25KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-610	1
T50P5A	TRANSFMR, PDMT, 50KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-630	1
T75P5A	TRANSFMR, PDMT, 75KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-640	1
T100P5A	TRANSFMR, PDMT, 100KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-655	1
T167P5A	TRANSFMR, PDMT, 167KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-695	1
	24.94GRDY/14.4 x 12.47GRDY/7.2-480/240 (Dual Voltage)		
T25P5D	TRANSFMR, PDMT, 25KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480/240	1-295-613	1
T50P5D	TRANSFMR, PDMT, 50KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480/240	1-295-621	1
T100P5D	TRANSFMR, PDMT, 75KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480/240	1-295-656	1
	24.94GRDY/14.4x12.47GRDY/7.2-240/120 (Delta Connection)		
T50P7A	TRANSFMR, PDMT, 50KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-630	1
T75P7A	TRANSFMR, PDMT, 75KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-640	1
T100P7A	TRANSFMR, PDMT, 100KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-655	1
T167P7A	TRANSFMR, PDMT, 167KVA, 24.94GRDY/14.4x12.47GRDY/7.2-240/120	1-295-695	1

PADMOUNTED TRANSFORMERS
Operated at 7.2kV
SINGLE PHASE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 16, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Padmount
1PH02

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	12.47GRDY/7.2-208Y/120		
T150P1B	TRANSFMR, PDMT, 150KVA, 12.47GRDY/7.2-208Y/120	1-295-660	1
T300P1B	TRANSFMR, PDMT, 300KVA, 12.47GRDY/7.2-208Y/120	1-295-700	1
T500P1B	TRANSFMR, PDMT, 500KVA, 12.47GRDY/7.2-208Y/120	1-295-720	1
T750P1B	TRANSFMR, PDMT, 750KVA, 12.47GRDY/7.2-208Y/120	1-295-737	1
	24.94GRDY/14.4x12.47GRDY/7.2-208Y/120		
T150P5B	TRANSFMR, PDMT, 150KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-670	1
T300P5B	TRANSFMR, PDMT, 300KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-701	1
T500P5B	TRANSFMR, PDMT, 500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-721	1
T750P5B	TRANSFMR, PDMT, 750KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-747	1
	12.47GRDY/7.2-480Y/277		
T150P1C	TRANSFMR, PDMT, 150KVA, 12.47GRDY/7.2-480Y/277	1-295-665	1
T300P1C	TRANSFMR, PDMT, 300KVA, 12.47GRDY/7.2-480Y/277	1-295-705	1
T500P1C	TRANSFMR, PDMT, 500KVA, 12.47GRDY/7.2-480Y/277	1-295-725	1
T750P1C	TRANSFMR, PDMT, 750KVA, 12.47GRDY/7.2-480Y/277	1-295-740	1
T1000P1C	TRANSFMR, PDMT, 1000KVA, 12.47GRDY/7.2-480Y/277	1-295-750	1
T1500P1C	TRANSFMR, PDMT, 1500KVA, 12.47GRDY/7.2-480Y/277	1-295-765	1
	24.94GRDY/14.4x12.47GRDY/7.2-480Y/277		
T150P5C	TRANSFMR, PDMT, 150KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-677	1
T300P5C	TRANSFMR, PDMT, 300KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-706	1
T500P5C	TRANSFMR, PDMT, 500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-732	1
T750P5C	TRANSFMR, PDMT, 750KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-741	1
T1000P5C	TRANSFMR, PDMT, 1000KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-755	1
T1500P5C	TRANSFMR, PDMT, 1500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-770	1
T2500P5C	TRANSFMR, PDMT, 2500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-785	1

PADMOUNTED TRANSFORMERS
7.2kV
THREE PHASE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 16, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Padmount
3PH01

ASSEMBLY ID.	DESCRIPTION	PWC STOCK NO.	QUANTITY
	24.94GRDY/14.4-208Y/120		
T150P4B	TRANSFMR, PDMT, 150KVA, 24.94GRDY/14.4-208Y/120	1-295-675	1
T300P4B	TRANSFMR, PDMT, 300KVA, 24.94GRDY/14.4-208Y/120	1-295-710	1
T500P4B	TRANSFMR, PDMT, 500KVA, 24.94GRDY/14.4-208Y/120	1-295-730	1
T750P4B	TRANSFMR, PDMT, 750KVA, 24.94GRDY/14.4-208Y/120	1-295-742	1
	24.94GRDY/14.4x12.47GRDY/7.2-208Y/120		
T150P6B	TRANSFMR, PDMT, 150KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-670	1
T300P6B	TRANSFMR, PDMT, 300KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-701	1
T500P6B	TRANSFMR, PDMT, 500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-721	1
T750P6B	TRANSFMR, PDMT, 750KVA, 24.94GRDY/14.4x12.47GRDY/7.2-208Y/120	1-295-747	1
	24.94GRDY/14.4-480Y/277		
T150P4C	TRANSFMR, PDMT, 150KVA, 24.94GRDY/14.4-480Y/277	1-295-680	1
T300P4C	TRANSFMR, PDMT, 300KVA, 24.94GRDY/14.4-480Y/277	1-295-715	1
T500P4C	TRANSFMR, PDMT, 500KVA, 24.94GRDY/14.4-480Y/277	1-295-735	1
T750P4C	TRANSFMR, PDMT, 750KVA, 24.94GRDY/14.4-480Y/277	1-295-745	1
T1000P4C	TRANSFMR, PDMT, 1000KVA, 24.94GRDY/14.4-480Y/277	1-295-760	1
T1500P4C	TRANSFMR, PDMT, 1500KVA, 24.94GRDY/14.4-480Y/277	1-295-775	1
T2500P4C	TRANSFMR, PDMT, 2500KVA, 24.94GRDY/14.4-480Y/277	1-295-780	1
	24.94GRDY/14.4x12.47GRDY/7.2-480Y/277		
T150P6C	TRANSFMR, PDMT, 150KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-677	1
T300P6C	TRANSFMR, PDMT, 300KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-706	1
T500P6C	TRANSFMR, PDMT, 500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-732	1
T750P6C	TRANSFMR, PDMT, 750KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-741	1
T1000P6C	TRANSFMR, PDMT, 1000KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-755	1
T1500P6C	TRANSFMR, PDMT, 1500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-770	1
T2500P6C	TRANSFMR, PDMT, 2500KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277	1-295-785	1

PADMOUNTED TRANSFORMERS
14.4kV
THREE PHASE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 16, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
XMFR
Padmount
3PH02

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	URD TRANSFORMERS (FOR REMOVAL ONLY)		
T25U1A	TRANSFORMER, CPURD, 25KVA, 12.47GRDY/7.2-240Y/120	1-295-205	1
T37U1A	TRANSFORMER, CPURD, 37KVA, 12.47GRDY/7.2-240Y/120	1-295-215	1
T50U1A	TRANSFORMER, CPURD, 50KVA, 12.47GRDY/7.2-240Y/120	1-295-220	1
T75U1A	TRANSFORMER, CPURD, 75KVA, 12.47GRDY/7.2-240Y/120	1-295-230	1
T100U1A	TRANSFORMER, CPURD, 100KVA, 12.47GRDY/7.2-240Y/120	1-295-235	1
T167U1A	TRANSFORMER, CPURD, 167KVA, 12.47GRDY/7.2-240Y/120	1-295-245	1

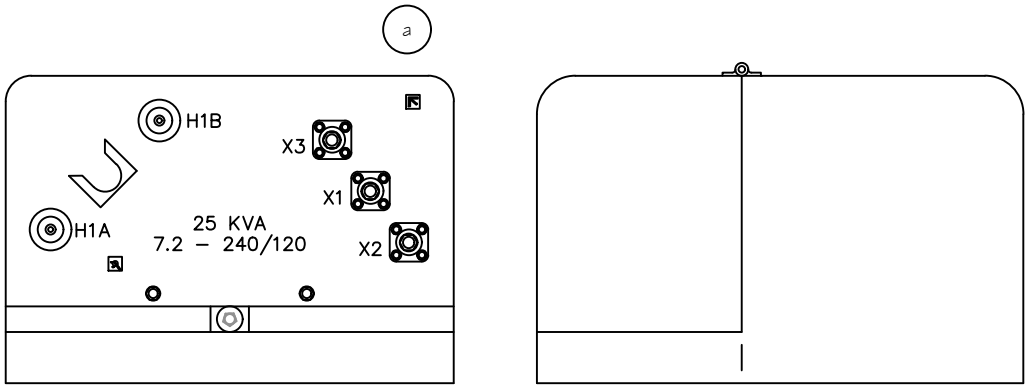
URD TRANSFORMERS,
12.47GRDY/7.2-240Y/120
SINGLE PHASE
(REMOVAL ONLY)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: FEBRUARY 1, 2011
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

XMFRURD
01



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25P1A	T37P1A	T50P1A
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT, 25 KVA, 12.47 GRDY/7.2-240/120, 1 PH	1-295-605	1	-	-
a	PADMOUNT, 37.5 KVA, 12.47 GRDY/7.2-240/120, 1 PH	1-295-615	-	1	-
a	PADMOUNT, 50 KVA, 12.47 GRDY/7.2-240/120, 1 PH	1-295-620	-	-	1

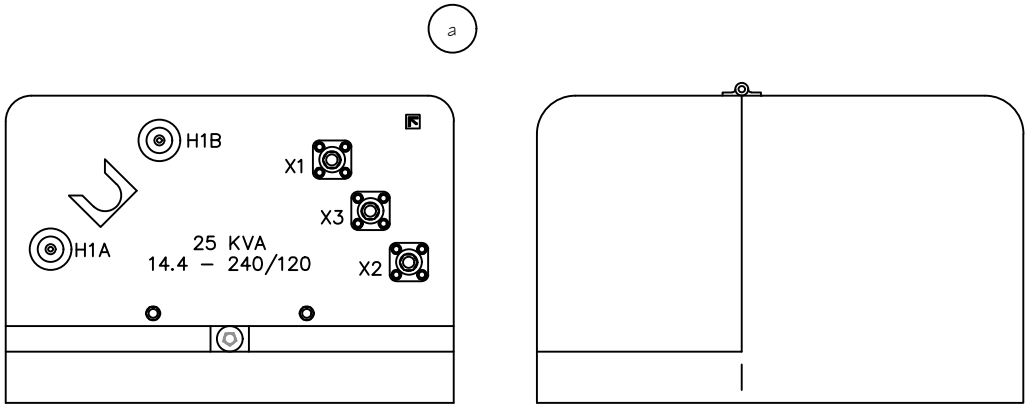
TRANSFER and REMOVAL ONLY

TRANSFORMER, 7.2 KV, 1Ø PADMOUNT, 240/120V SECONDARY 25 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revision: May 27, 2008

ASSEMBLY ID.
T25P1A
T37P1A
T50P1A



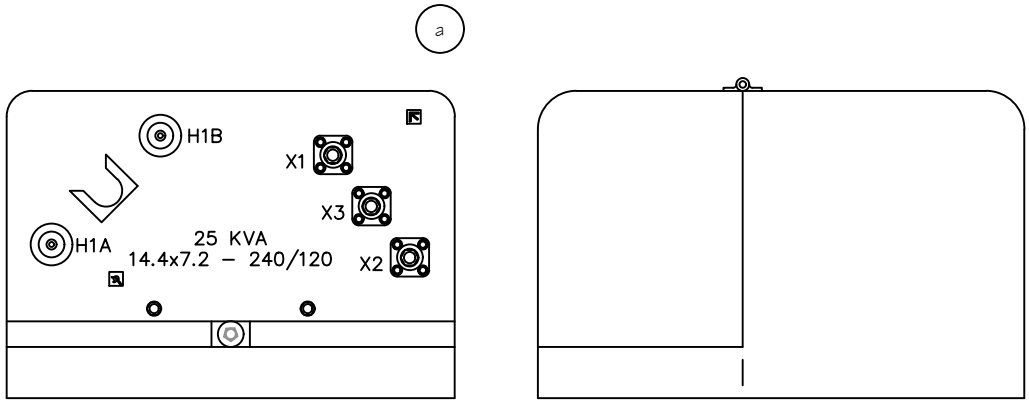
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25P4A	T50P4A	T100P4A	T167P4A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT, 25 KVA, 24.94 GRDY/14.4-240/120 V, 1 PH	1-295-608	1	-	-	-
a	PADMOUNT, 50 KVA, 24.94 GRDY/14.4-240/120 V, 1 PH	1-295-625	-	1	-	-
a	PADMOUNT, 100 KVA, 24.94 GRDY/14.4-240/120 V, 1 PH	1-295-650	-	-	1	-
a	PADMOUNT, 167 KVA, 24.94 GRDY/14.4-240/120 V, 1 PH	1-295-690	-	-	-	1
			TRANSFER and REMOVAL ONLY		TRANSFER and REMOVAL ONLY	

TRANSFORMER, 14.4 KV, 1Ø PADMOUNT, 240/120V SECONDARY 25, 50, 100, & 167 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 25, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revision: May 27, 2008

ASSEMBLY ID.
T25P4A
T50P4A
T100P4A
T167P4A



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25P5A	T25P6A	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 25 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-240/120	1-295-610	1	1	

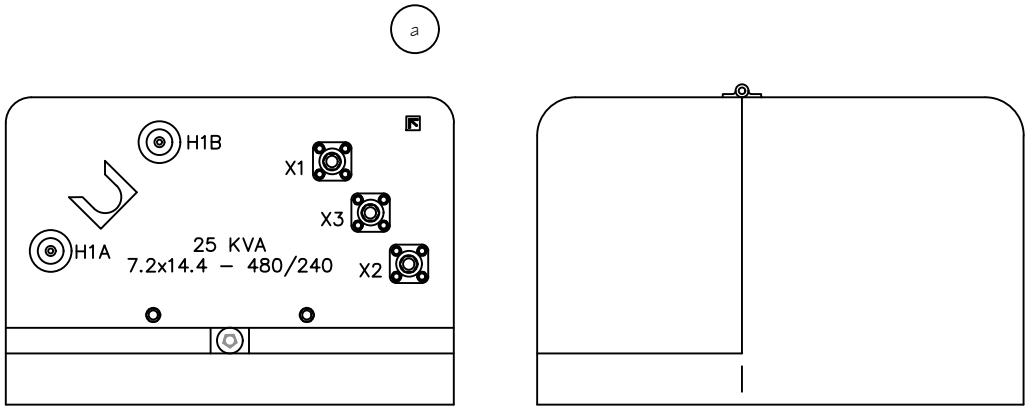
TRANSFORMER, DUAL VOLTAGE, 1Ø PADMOUNT, 240/120V SECONDARY 25 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 26, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T25P5A
T25P6A



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T25P5D	T25P6D	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 25 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480/240	1-295-613	1	1	

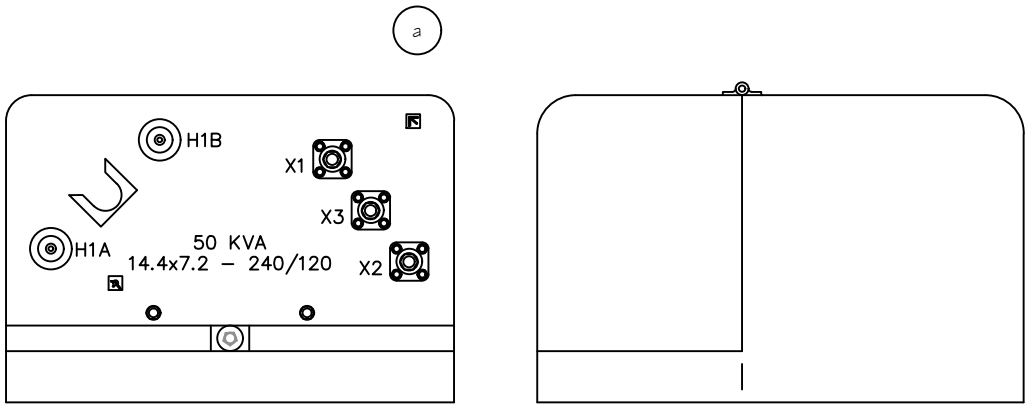
TRANSFORMER, DUAL VOLTAGE, 1Ø PADMOUNT, 480/240V SECONDARY 25 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JUNE 26, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T25P5D
T25P6D



7.2KV

14.4KV

UNDECIDED

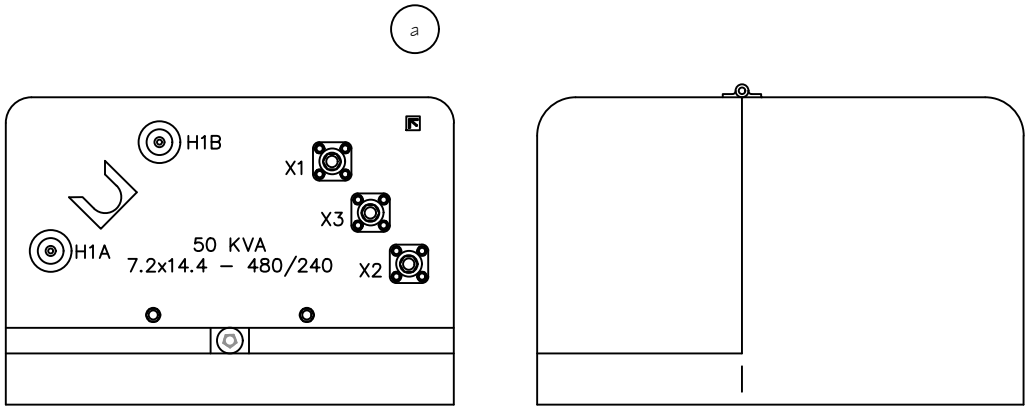
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50P5A	T50P6A	T50P7A
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 50 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-240/120	1-295-630	1	1	1

TRANSFORMER, DUAL VOLTAGE, 1Ø PADMOUNT, 240/120V SECONDARY 50 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T50P5A
T50P6A
T50P7A



7.2KV

14.4KV

UNDECIDED

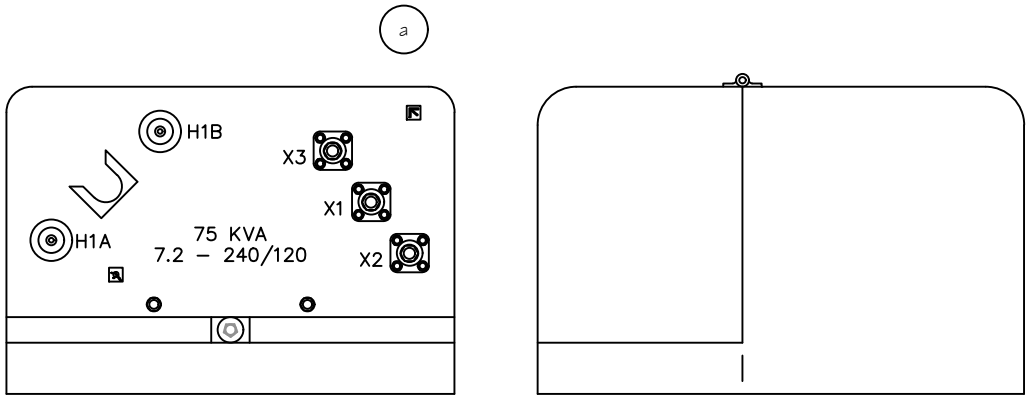
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T50P5D QUANTITY	T50P6D QUANTITY	T50P7D QUANTITY
a	TRANSFMR, PDMT, 50 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480/240	1-295-621	1	1	1

TRANSFORMER, DUAL VOLTAGE, 1Ø PADMOUNT, 480/240V SECONDARY 50 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T50P5D
T50P6D
T50P7D



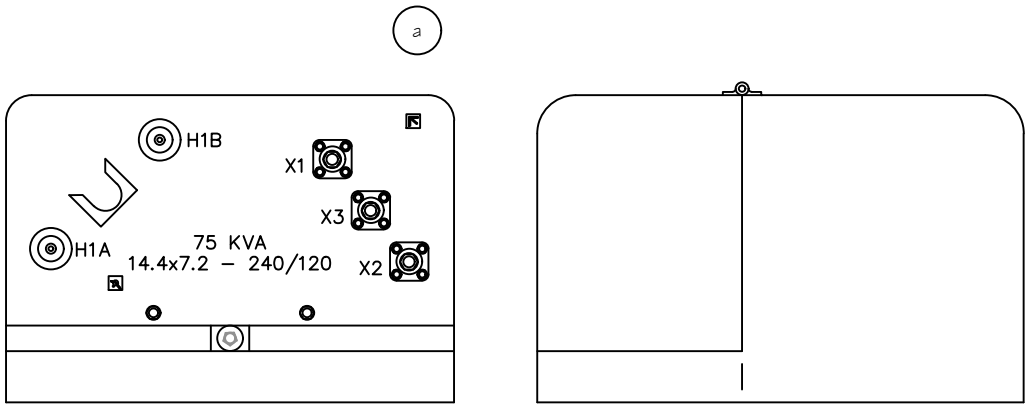
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75P1A	T100P1A	T167P1A
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT, 75 KVA, 12.47 GRDY/7.2-240/120 V, 1 PH	1-295-635	1	-	-
a	PADMOUNT, 100 KVA, 12.47 GRDY/7.2-240/120 V, 1PH	1-295-645	-	1	-
a	PADMOUNT, 167 KVA, 12.47 GRDY/7.2-240/120 V, 1PH	1-295-685	-	-	1

TRANSFORMER, 7.2 KV, 1Ø PADMOUNT 240/120V SECONDARY 75, 100 & 167 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T75P1A
T100P1A
T167P1A



7.2KV

14.4KV

UNDECIDED

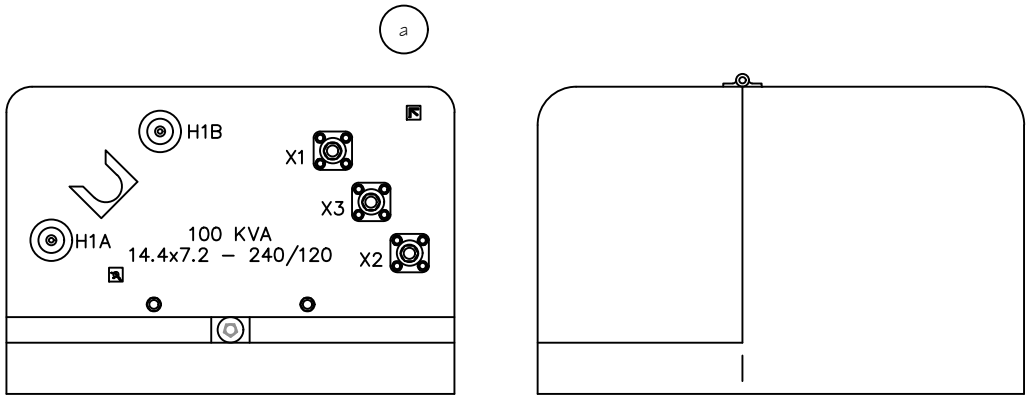
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T75P5A QUANTITY	T75P6A QUANTITY	T75P7A QUANTITY
a	TRANSFMR, PDMT, 75 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-240/120	1-295-640	1	1	1

TRANSFORMER, DUAL VOLTAGE, 1Ø PADMOUNT, 240/120V SECONDARY 75 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T75P5A
T75P6A
T75P7A



7.2KV

14.4KV

UNDECIDED

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T100P5A QUANTITY	T100P6A QUANTITY	T100P7A QUANTITY
a	TRANSFMR, PDMT, 100 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-240/120	1-295-655	1	1	1

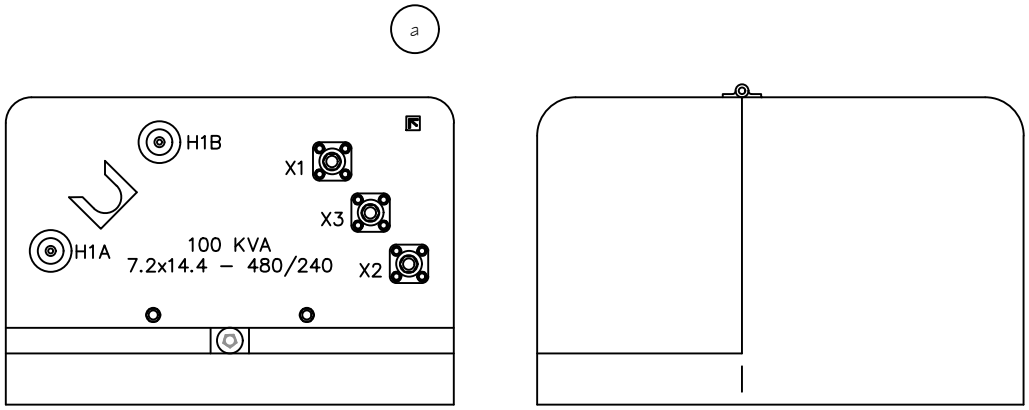
TRANSFORMER, DUAL VOLTAGE, 1Ø PADMOUNT, 240/120V SECONDARY 100 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T100P5A
T100P6A
T100P7A



7.2KV

14.4KV

UNDECIDED

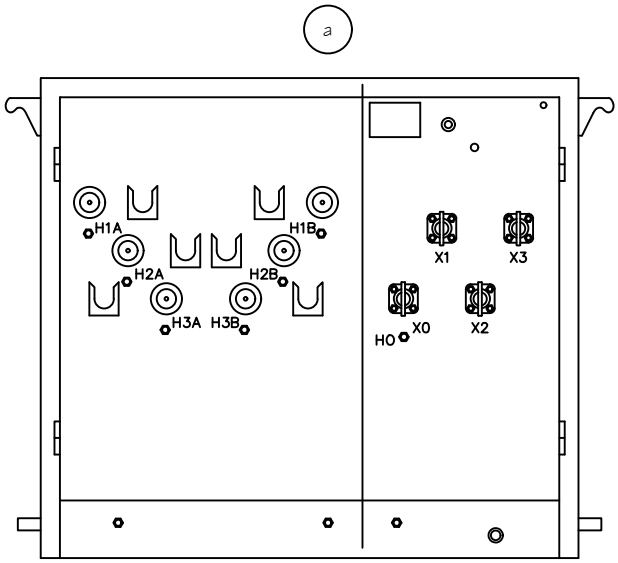
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T100P5D	T100P6D	T100P7D
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 100 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480/240	1-295-656	1	1	1

TRANSFORMER, DUAL VOLTAGE, 1Ø PADMOUNT, 480/240V SECONDARY 100 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T100P5D
T100P6D
T100P7D



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T150P1B	T300P1B	T500P1B
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT 150 KVA, 12.47 GRDY/7.2-208Y/120 V, 3 PH	1-295-660	1	-	-
a	PADMOUNT 300 KVA, 12.47 GRDY/7.2-208Y/120 V, 3 PH	1-295-700	-	1	-
a	PADMOUNT 500KVA, 12.47 GRDY/7.2-208Y/120 V, 3 PH	1-295-720	-	-	1
			REMOVAL ONLY	REMOVAL ONLY	REMOVAL ONLY

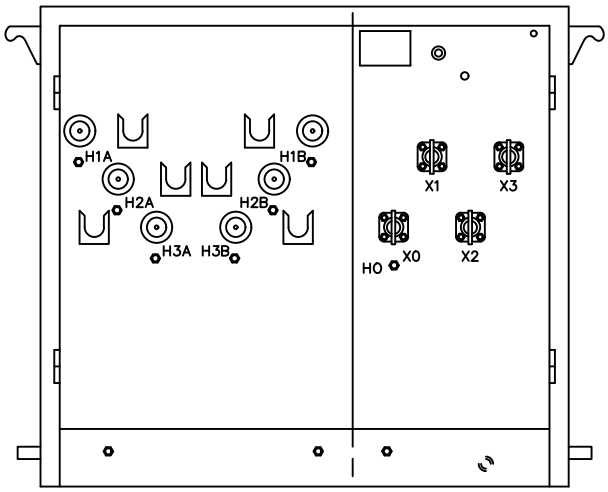
TRANSFORMER, 7.2KV 3Ø PADMOUNT, 208Y/120 SECONDARY 150, 300 & 500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.
T150P1B
T300P1B
T500P1B

a



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T150P1C	T300P1C	T500P1C
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT 150 KVA, 12.47 GRDY/7.2-480Y/277 V, 3 PH	1-295-665	1	-	-
a	PADMOUNT 300 KVA, 12.47 GRDY/7.2-480Y/277 V, 3 PH	1-295-705	-	1	-
a	PADMOUNT 500 KVA, 12.47 GRDY/7.2-480Y/277 V, 3 PH	1-295-725	-	-	1

TRANSFORMER, 7.2KV 3Ø PADMOUNT, 480Y/277 SECONDARY 150, 300 & 500 KVA

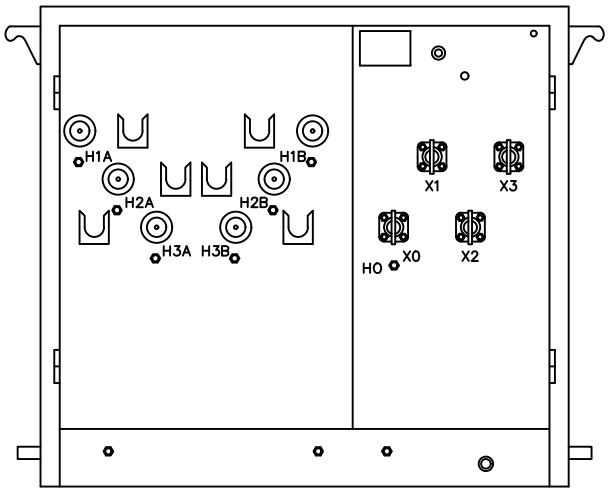
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T150P1C
T300P1C
T500P1C

a



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T150P4B	T300P4B	T500P4B
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT 150 KVA, 24.94 GRDY/14.4-208Y/120 V, 3 PH	1-295-675	1	-	-
a	PADMOUNT 300 KVA, 24.94 GRDY/14.4-208Y/120 V, 3 PH	1-295-710	-	1	-
a	PADMOUNT 500 KVA, 24.94 GRDY/14.4-208Y/120 V, 3 PH	1-295-730	-	-	1

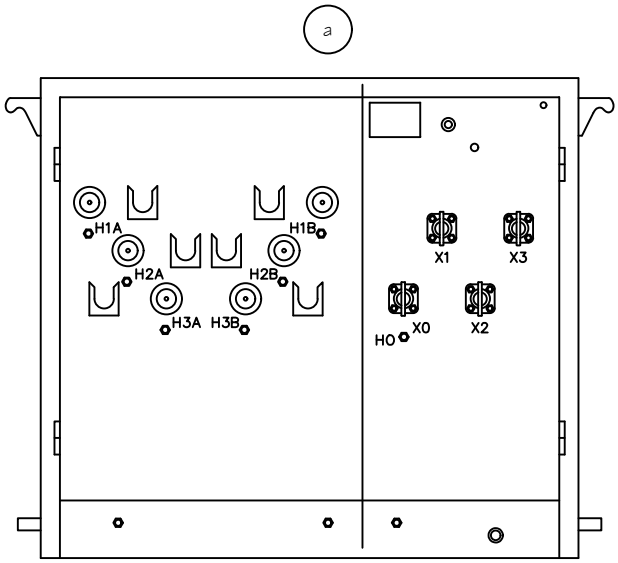
REMOVAL ONLY

TRANSFORMER, 14.4KV 3Ø PADMOUNT, 208Y/120 SECONDARY 150, 300 & 500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.
T150P4B
T300P4B
T500P4B



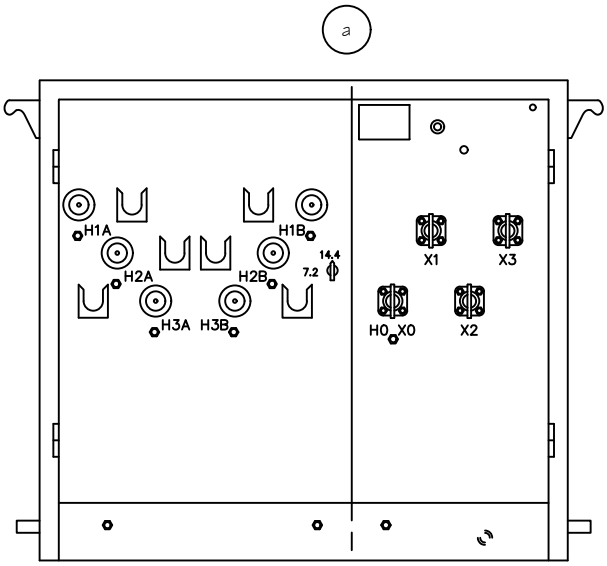
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T150P4C	T300P4C	T500P4C
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT 150 KVA, 24.94 GRDY/14.4-480Y/277 V, 3 PH	1-295-680	1	-	-
a	PADMOUNT 300 KVA, 24.94 GRDY/14.4-480Y/277 V, 3 PH	1-295-715	-	1	-
a	PADMOUNT 500 KVA, 24.94 GRDY/14.4-480Y/277 V, 3 PH	1-295-735	-	-	1
					REMOVAL ONLY

TRANSFORMER, 14.4KV 3Ø PADMOUNT, 480Y/277 SECONDARY 150, 300 & 500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.
T150P4C
T300P4C
T500P4C



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T150P5B	T150P6B	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 150 KVA, 24.94Y/14.4x12.47Y/7.2-208Y/120	1-295-670	1	1	

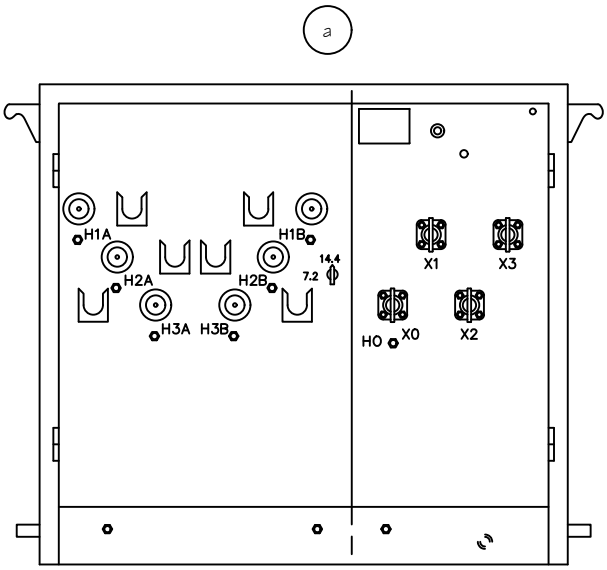
TRANSFORMER, DUAL VOLTAGE, 3Ø PADMOUNT, 208Y/120V SECONDARY 150 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S.COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T150P5B
T150P6B



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T150P5C	T150P6C	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 150 KVA, 24.94Y/14.4x12.47Y/7.2-480Y/277	1-295-677	1	1	

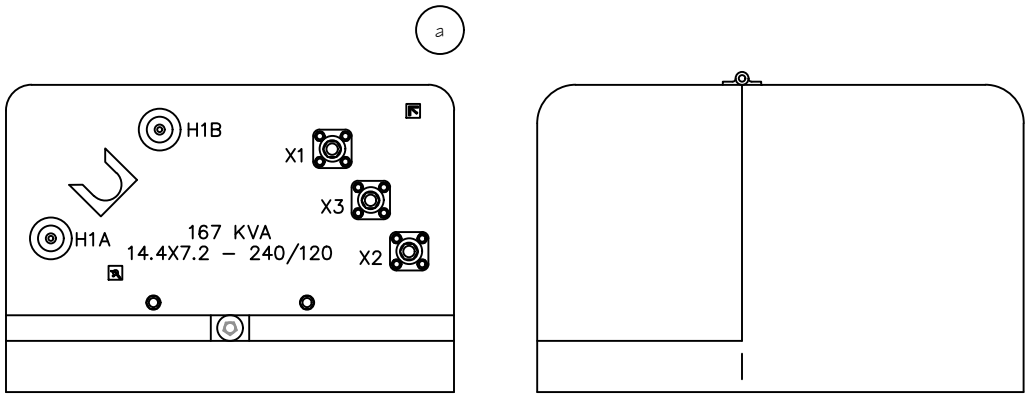
TRANSFORMER, DUAL VOLTAGE, 3Ø PADMOUNT, 480Y/277V SECONDARY 150 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S.COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T150P5C
T150P6C



7.2KV

14.4KV

UNDECIDED

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T167P5A QUANTITY	T167P6A QUANTITY	T167P7A QUANTITY
a	TRANSFMR, PDMT, 167 KVA 24.94 GRDY/14.4x12.47 GRDY/7.2-240/120	1-295-695	1	1	1

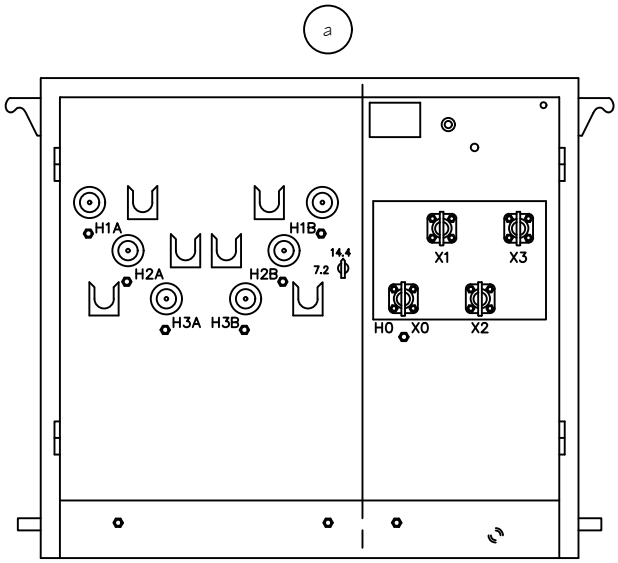
TRANSFORMER, DUAL VOLTAGE,
1Ø PADMOUNT,
240/120 SECONDARY
167KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 25, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T167P5A
T167P6A
T167P7A



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T300P5B	T300P6B	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 300 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-208Y/120	1-295-701	1	1	

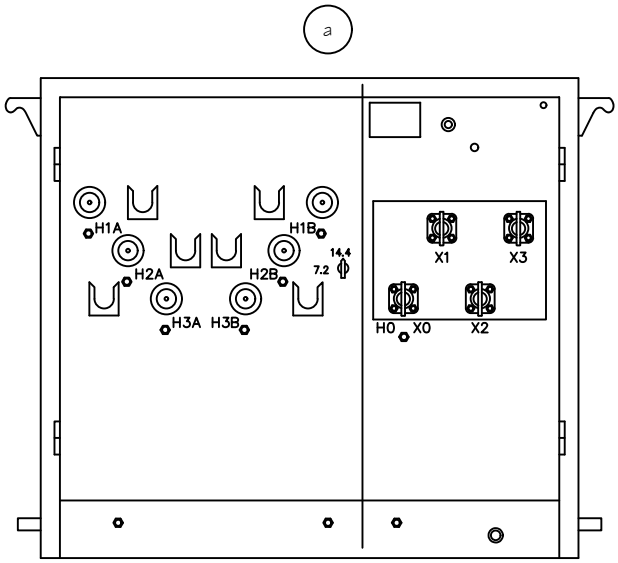
TRANSFORMER, DUAL VOLTAGE, 3Ø PADMOUNT, 208Y/120 SECONDARY 300 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T300P5B
T300P6B



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T300P5C QUANTITY	T300P6C QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 300 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480Y/277	1-295-706	1	1	

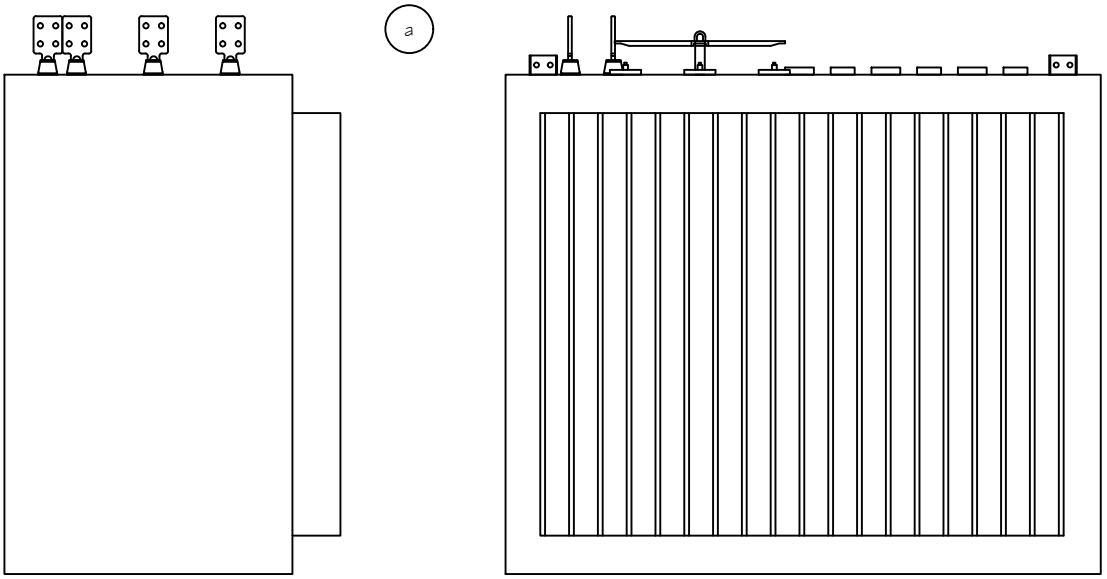
TRANSFORMER, DUAL VOLTAGE,
3Ø PADMOUNT,
480Y/277 SECONDARY
300 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T300P5C
T300P6C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T500B5B QUANTITY	T500B6B QUANTITY	QUANTITY
a	TRANSFORMER, VAULT, 500KVA,24.94GRDY/14.4X12.47GRDY/7.2-208Y120	1-295-255	1	1	

TRANSFORMER, DUAL VOLTAGE
3Ø VAULT, 500 KVA
24.94GRDY/14.4X12.47GRD/
7.2-208Y120

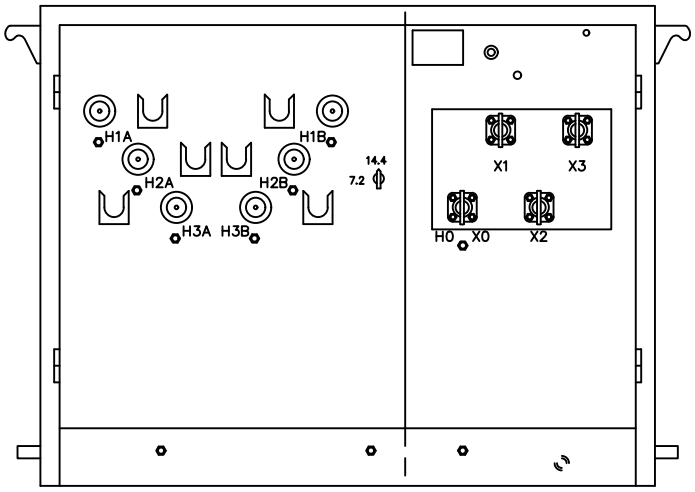
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T500B5B
T500B6B

a



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T500P5B	T500P6B	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 500 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-208Y/120	1-295-721	1	1	

TRANSFORMER, DUAL VOLTAGE,
3Ø PADMOUNT,
208Y/120 SECONDARY
500KVA

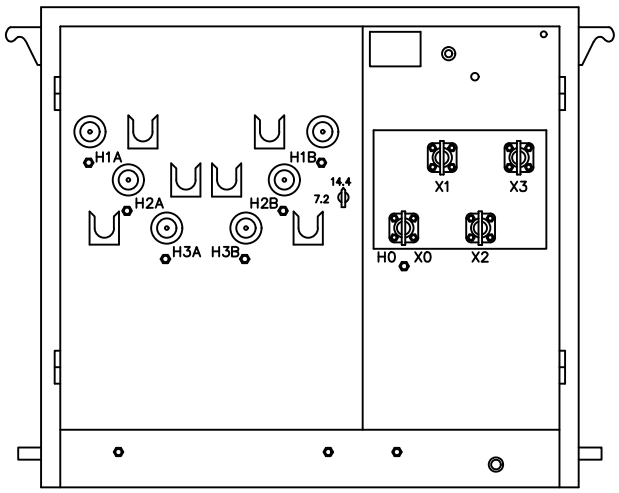
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T500P5B
T500P6B

a



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T500P5C QUANTITY	T500P6C QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 500 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480Y/277	1-295-732	1	1	

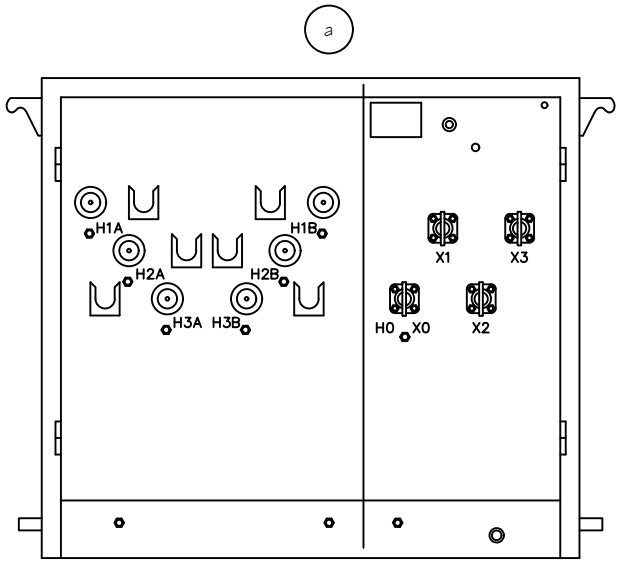
TRANSFORMER, DUAL VOLTAGE, 3Ø PADMOUNT, 480Y/277 SECONDARY 500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T500P5C
T500P6C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T750P1B		
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT 750 KVA, 12.47 GRDY/7.2-208Y/120 , 3 PH	1-295-737	1		

TRANSFORMER, 7.2KV 3Ø PADMOUNT, 208Y/120 SECONDARY 750 KVA

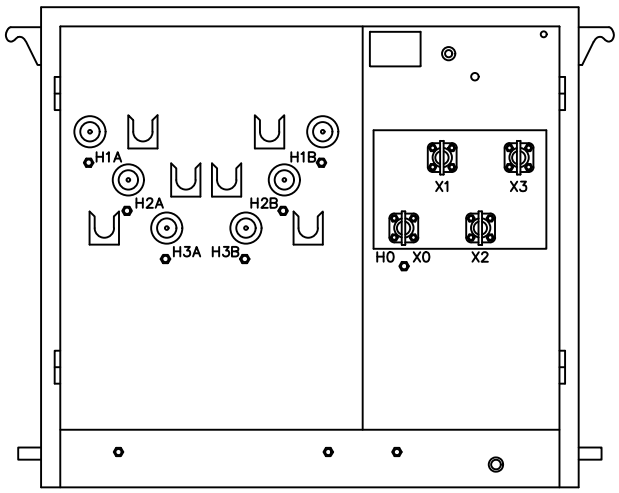
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T750P1B

a



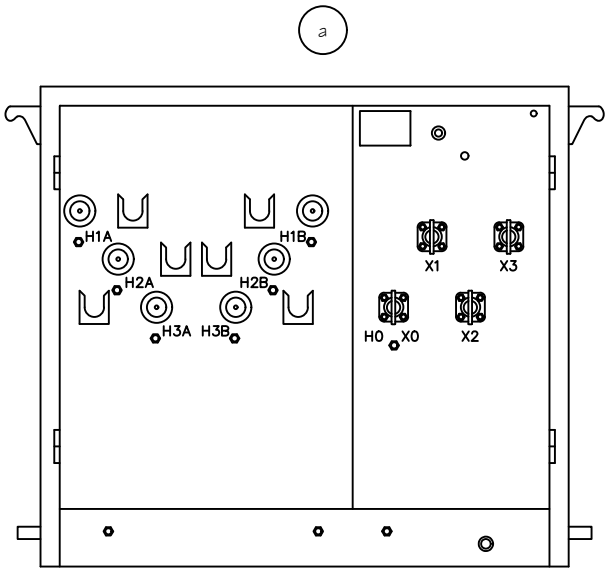
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T750P1C	T1000P1C	T1500P1C
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT, 750 KVA, 12.47 GRDY/7.2-480Y/277, 3 PH	1-295-740	1	-	-
a	PADMOUNT, 1000 KVA, 12.47 GRDY/7.2-480Y/277, 3 PH	1-295-750	-	1	-
a	PADMOUNT, 1500 KVA, 12.47 GRDY/7.2-480Y/277, 3 PH	1-295-765	-	-	1

TRANSFORMER, 7.2 KV
3Ø PADMOUNT,
480Y/277 SECONDARY
750,1000 & 1500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T750P1C
T1000P1C
T1500P1C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T750P4B		
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT 750 KVA, 24.94 GRDY/14.4-208Y/120 V, 3 PH	1-295-742	1		
			REMOVAL ONLY		

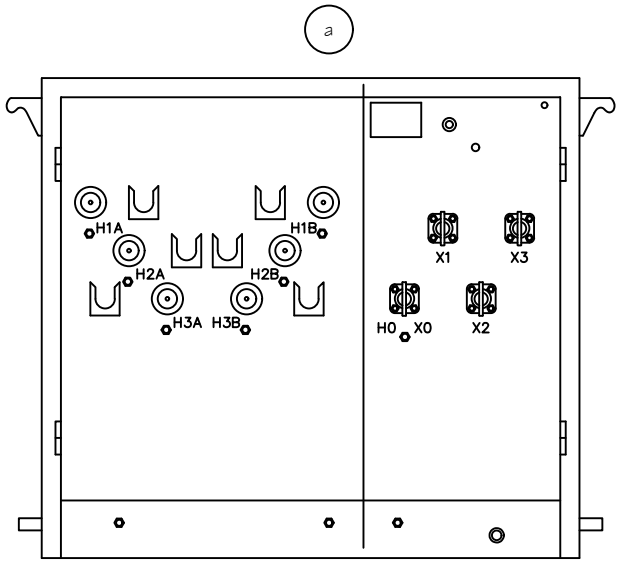
TRANSFORMER, 14.4KV
3Ø PADMOUNT,
208Y/120 SECONDARY
750 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISION: May 27, 2008

ASSEMBLY ID.

T750P4B



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T750P4C		
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT 750 KVA, 24.94 GRDY/14.4-480Y/277 V, 3 PH	1-295-745	1		

TRANSFORMER, 14.4KV
3Ø PADMOUNT,
480Y/277 SECONDARY
750 KVA

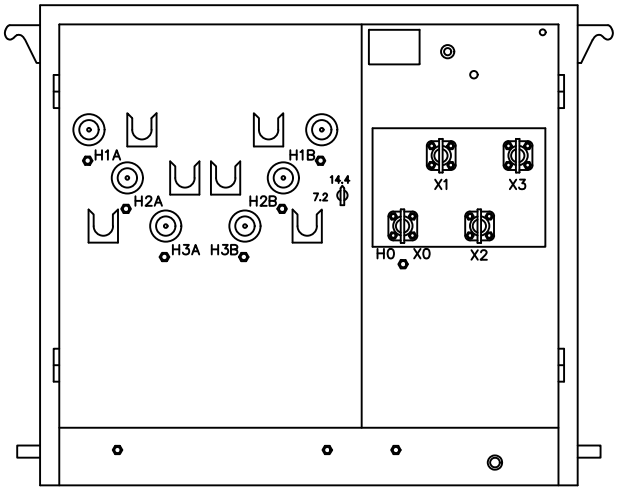
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T750P4C

a



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T750P5B	T750P6B	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 750 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-208Y/120	1-295-747	1	1	

TRANSFORMER, DUAL VOLTAGE,
3Ø PADMOUNT,
208Y/120 SECONDARY
750 KVA

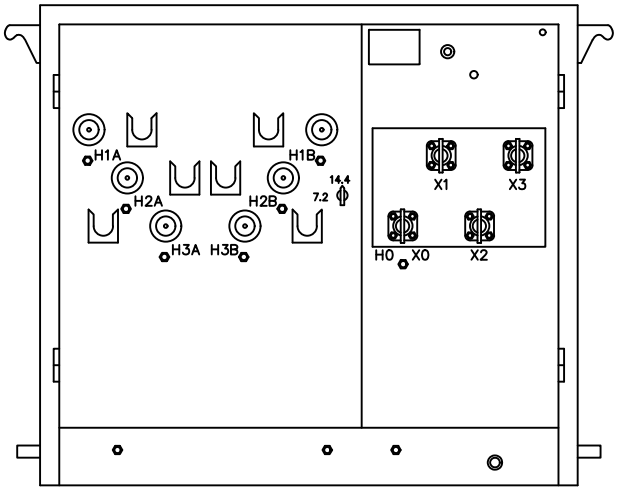
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T750P5B
T750P6B

(a)



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T750P5C QUANTITY	T750P6C QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 750 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480Y/277	1-295-741	1	1	

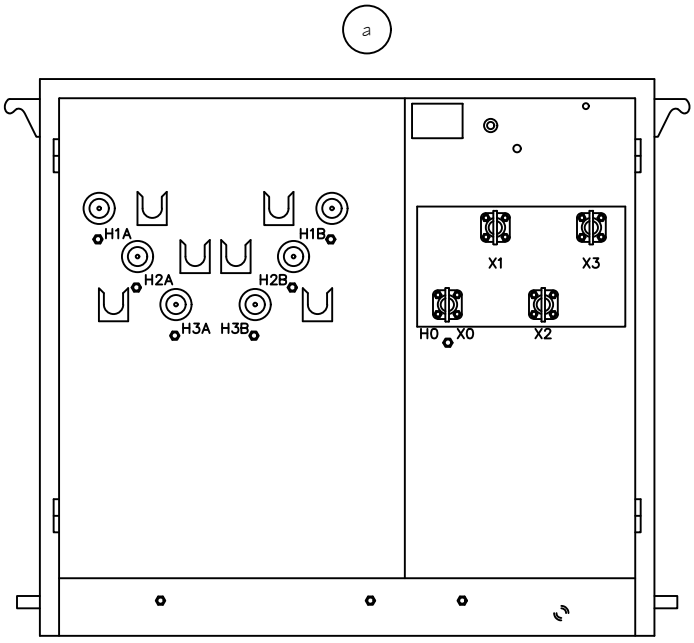
TRANSFORMER, DUAL VOLTAGE, 3Ø PADMOUNT, 480Y/277 SECONDARY 750 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T750P5C
T750P6C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T1000P4C	T1500P4C	T2500P4C
			QUANTITY	QUANTITY	QUANTITY
a	PDMT, 1000 KVA, 24.94 GRDY/14.4-480Y/277 V, 3 PH	1-295-760	1	-	-
a	PDMT, 1500 KVA, 24.94 GRDY/14.4-480Y/277 V, 3 PH	1-295-775	-	1	-
a	PDMT, 2500 KVA, 24.94 GRDY/14.4-480Y/277 V, 3 PH	1-295-780	-	-	1

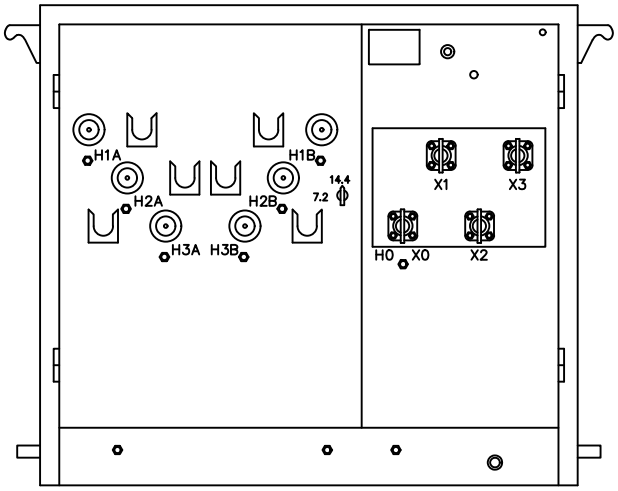
TRANSFORMER, 14.4KV
3Ø PADMOUNT,
480Y/277 SECONDARY
1000, 1500 & 2500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
T1000P4C
T1500P4C
T2500P4C

a



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T1000P5C	T1000P6C	
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT, 1000 KVA, 24.94GRDY/14.4x12.47GRDY/7.2-480Y/277, 3 PH	1-295-755	1	1	

TRANSFORMER, DUAL VOLTAGE,
3Ø PADMOUNT,
480Y/277 SECONDARY
1000 KVA

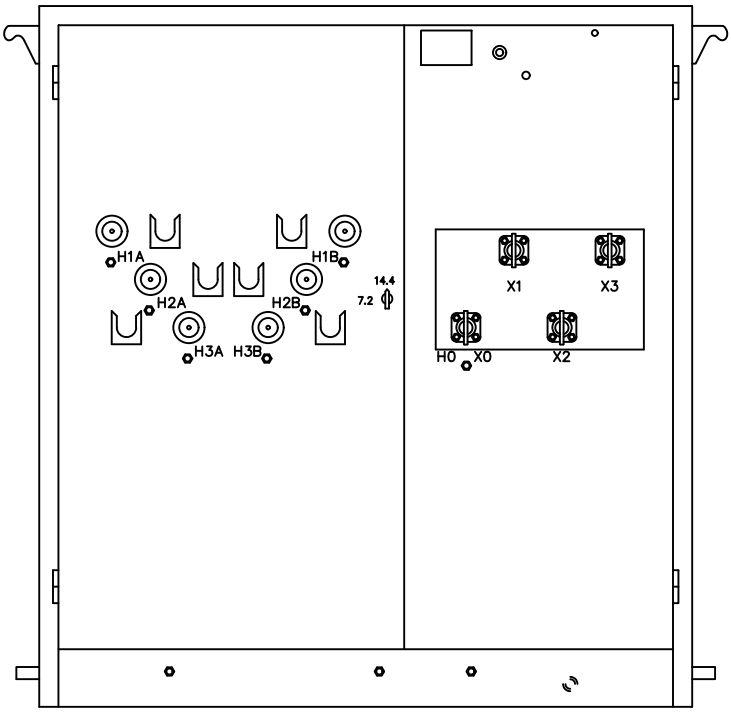
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: E. SMITH	DATE: JULY 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T1000P5C
T1000P6C

a



7.2KV

14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T1500P5C	T1500P6C	
			QUANTITY	QUANTITY	QUANTITY
a	PADMOUNT, 1500 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480Y/277, 3 PH	1-295-770	1	1	

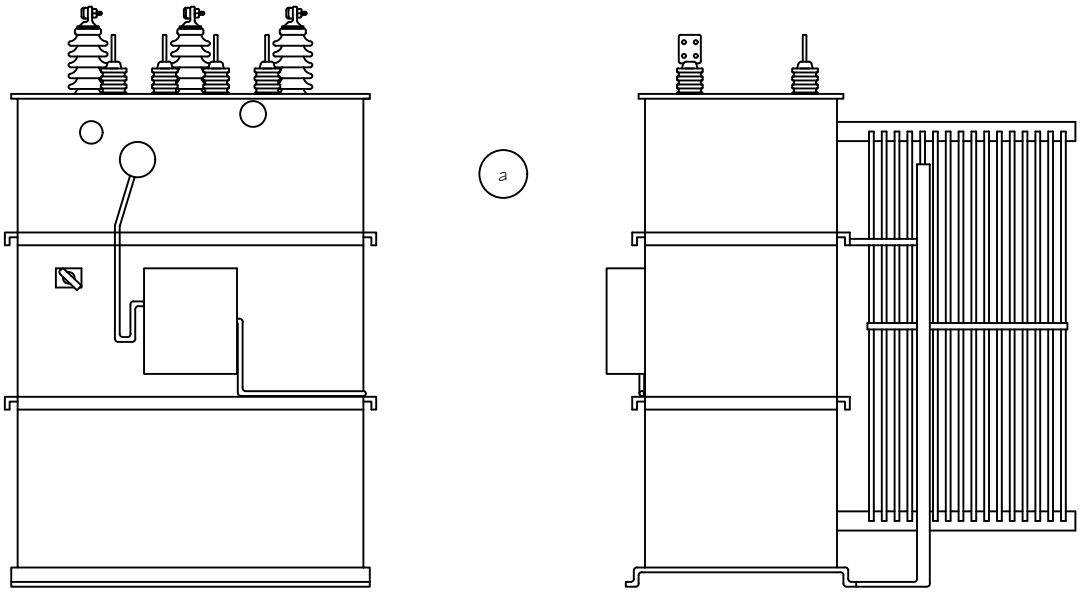
TRANSFORMER, DUAL VOLTAGE
3Ø PADMOUNT,
480Y/277 SECONDARY
1500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T1500P5C
T1500P6C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T1500W5H	T1500W6H	
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, POWER, 1500KVA 24.94Y/14.4x12.47Y/7.2-4.16Y/2.4	1-295-887	1	1	

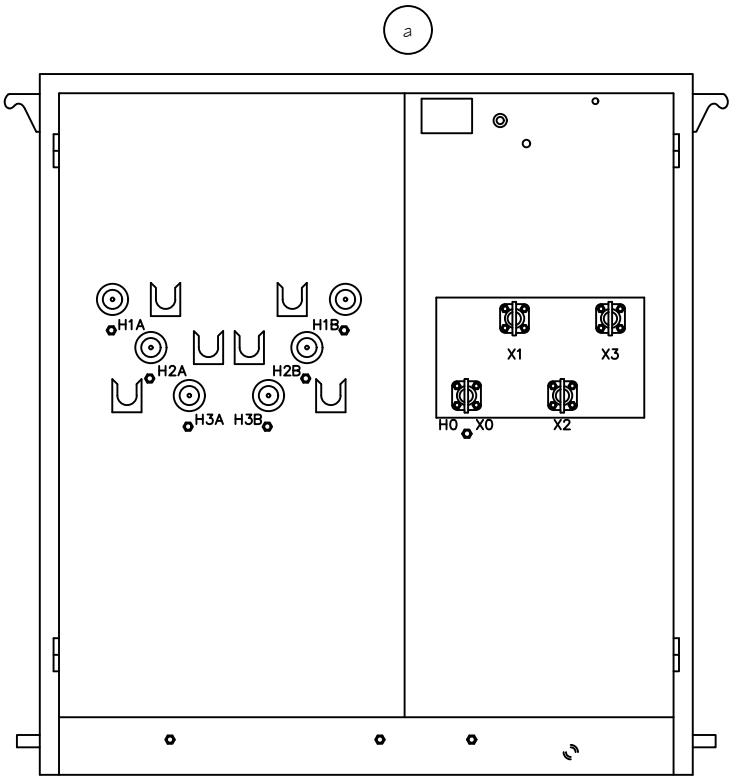
TRANSFORMER, DUAL VOLTAGE 3Ø POWER, 2500KVA 24.94Y/14.4x12.47/7.2-4.16Y/2.4

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. GIBBS	DATE: JULY 11, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T1500W5H
T1500W6H



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T2500P1C		
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFMR, PDMT, 2500 KVA, 12.47 GRDY/7.2-480Y/277	1-295-786	1		

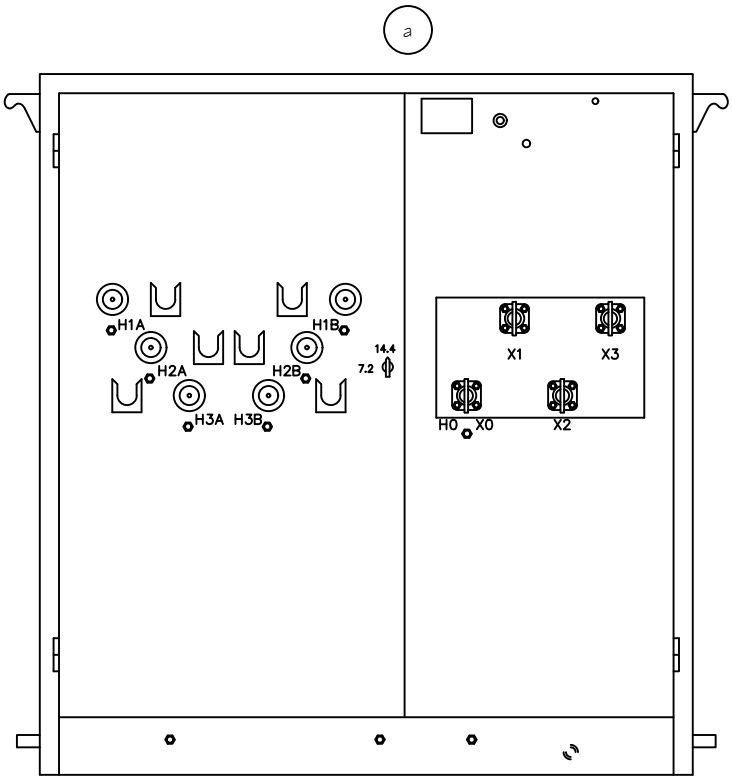
TRANSFORMER, 7.2 KV,
3Ø PADMOUNT,
480Y/277 SECONDARY
2500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: NOVEMBER 14, 2022
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T2500P1C



7.2KV 14.4KV

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T2500P5C QUANTITY	T2500P6C QUANTITY	QUANTITY
a	PADMOUNT, 2500 KVA, 24.94 GRDY/14.4x12.47 GRDY/7.2-480Y/277, 3 PH	1-295-785	1	1	
b	FUSE, BAY-O-NET SHORTING BAR, 200A	1-140-996	3	-	

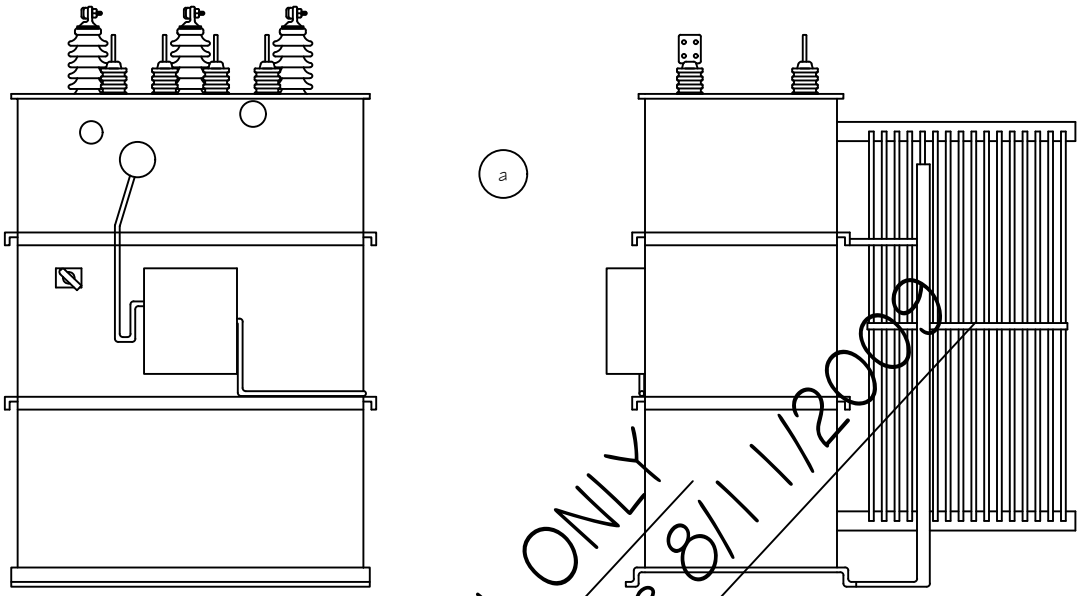
TRANSFORMER, DUAL VOLTAGE, 3Ø PADMOUNT, 480Y/277 SECONDARY 2500 KVA

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 26, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised:SEPTEMBER 7, 2004

ASSEMBLY ID.

T2500P5C
T2500P6C



REMOVAL ONLY
Stock Number Inactive 8/11/2009

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T2500W2C		
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, POWER, 2500KVA 12000 DELTA-480Y/277	1-295-884	1		

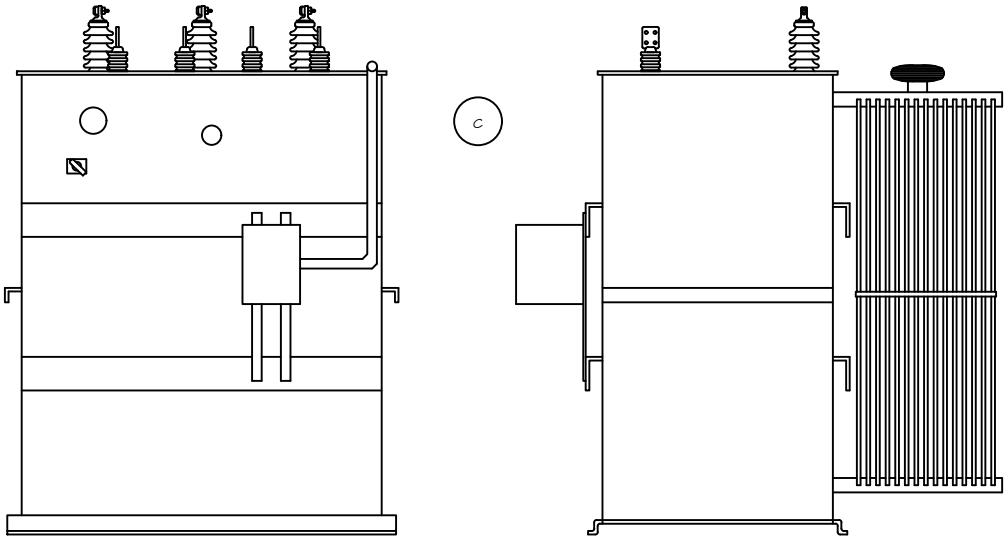
TRANSFORMER, 3Ø POWER,
2500KVA
12000 DELTA-480Y/277

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. GIBBS	DATE: JULY 11, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: Sept. 14, 2009

ASSEMBLY ID.

T2500W2C



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	T2500W8C QUANTITY	T2500W9C QUANTITY	QUANTITY
a	TRANSFORMER, POWER, 2500 KVA 24.94X12.47-480Y/277	1-295-883	1	1	

TRANSFOMER DUAL VOLTAGE, 3Ø BOWER, 2500 KVA 24.94X12.47 - 480Y/277

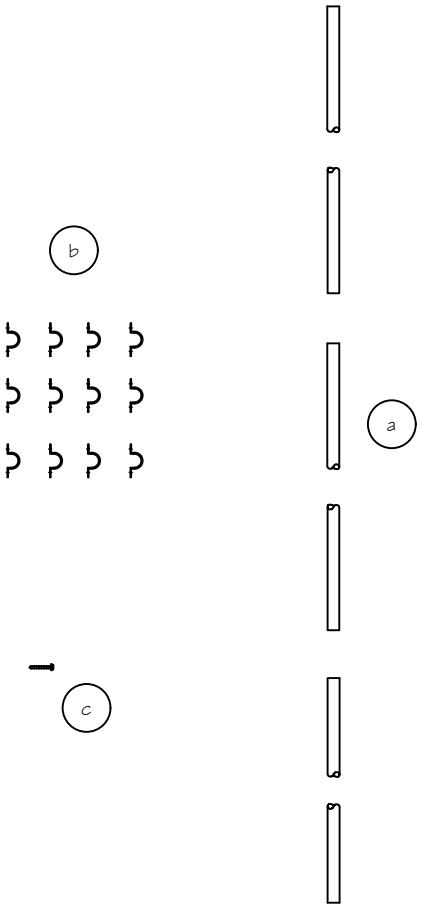
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

T2500W8C
T2500W9C

DUCT/CONDUIT



REMOVAL ONLY

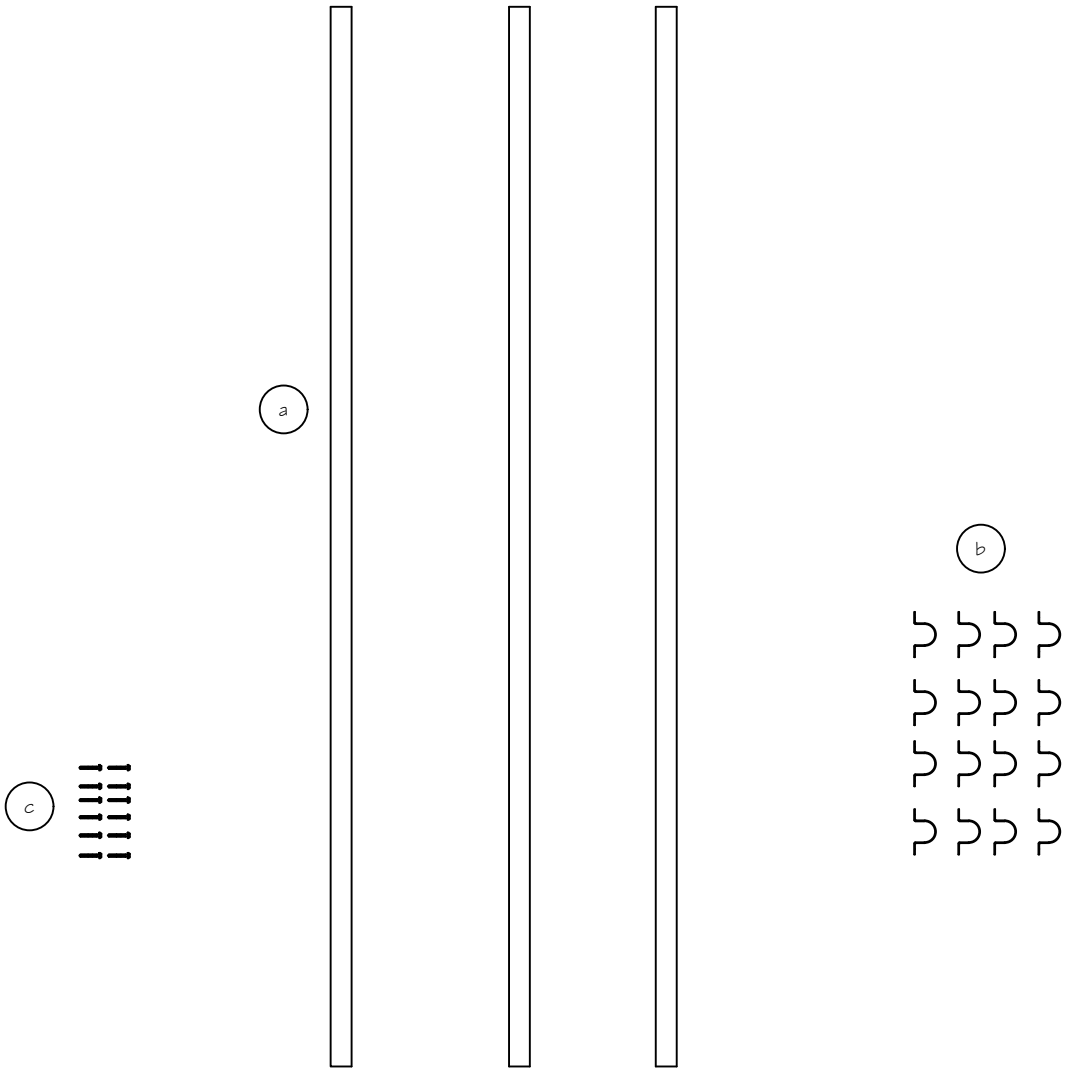
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP120P	DIP125P	DIP130P
			QUANTITY	QUANTITY	QUANTITY
a	CONDUIT, RIGID PVC 1"	1-070-020	20'	25'	30'
b	STRAP, CONDUIT, H.D., 1"	1-070-665	8	10	10
c	SCREW, LAG, 1/4" x 2 1/2"	1-325-915	16	20	20

CONDUIT RISER 1" PVC

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.
DIP120P
DIP125P
DIP130P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP220P QUANTITY	DIP230P QUANTITY	DIP240P QUANTITY
a	CONDUIT, RIGID PVC 2"	1-070-030	20'	30'	40'
b	STRAP, CONDUIT, H.D, 2"	1-070-670	8	10	12
c	SCREW, LAG, 1/4"x 2 1/2"	1-325-915	16	20	24

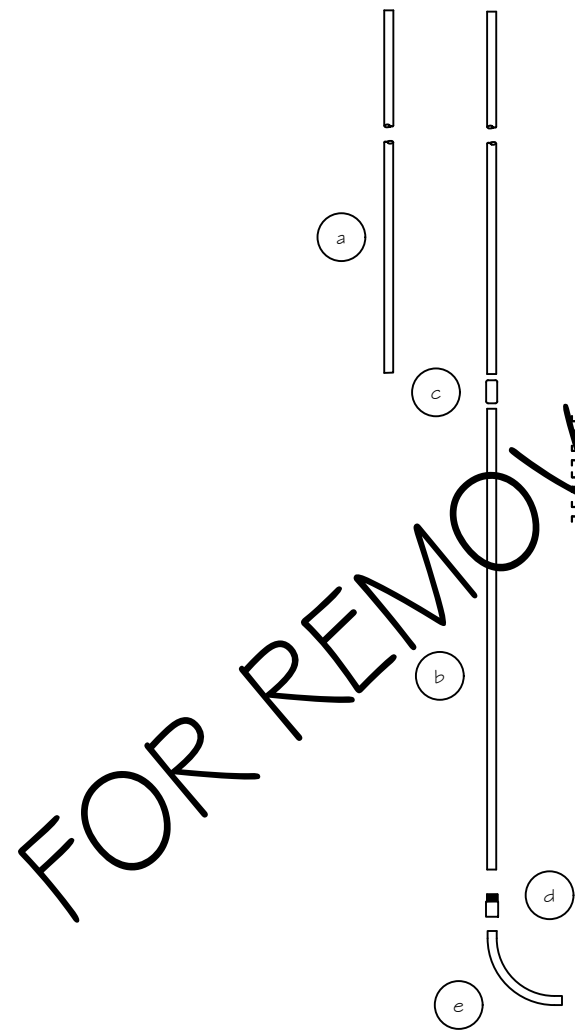
CONDUIT RISER, 2" PVC

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.

DIP220P
DIP230P
DIP240P



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP230M QUANTITY	QUANTITY	QUANTITY
a	CONDUIT, RIGID PVC 2"	1-070-030	20'		
b	CONDUIT, 2" STEEL	1-070-100	10'		
c	ADAPTER, FEMALE, 2"	1-070-521	1		
d	ADAPTER, MALE, PVC 2"	1-070-510	1		
e	ELBOW, 90 DEGREE, PVC 2"	1-070-570	1		
f	STRAP, CONDUIT, H.D, 2"	1-070-670	12		
g	SCREW, LAG, 1/4" x 2 1/2"	1-325-915	24		

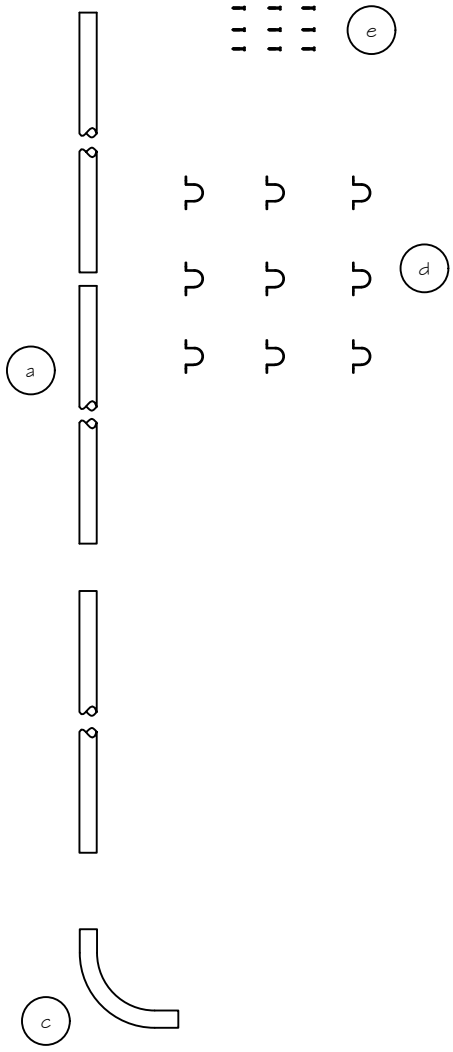
CONDUIT RISER
2" PVC W/ STEEL LOWER SECTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

DIP230M



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP320P	DIP330P	DIP340P
			QUANTITY	QUANTITY	QUANTITY
a	CONDUIT, RIGID 3" PVC	1-070-052	20'	30'	40'
c	ELBOW, 90 DEGREE, PVC 3", 24"R	1-070-571	1	1	1
d	STRAPS, CONDUIT, H.D. 3"	1-070-675	8	10	12
e	SCREW, LAG, 3/8 x 3"	1-325-910	16	20	24

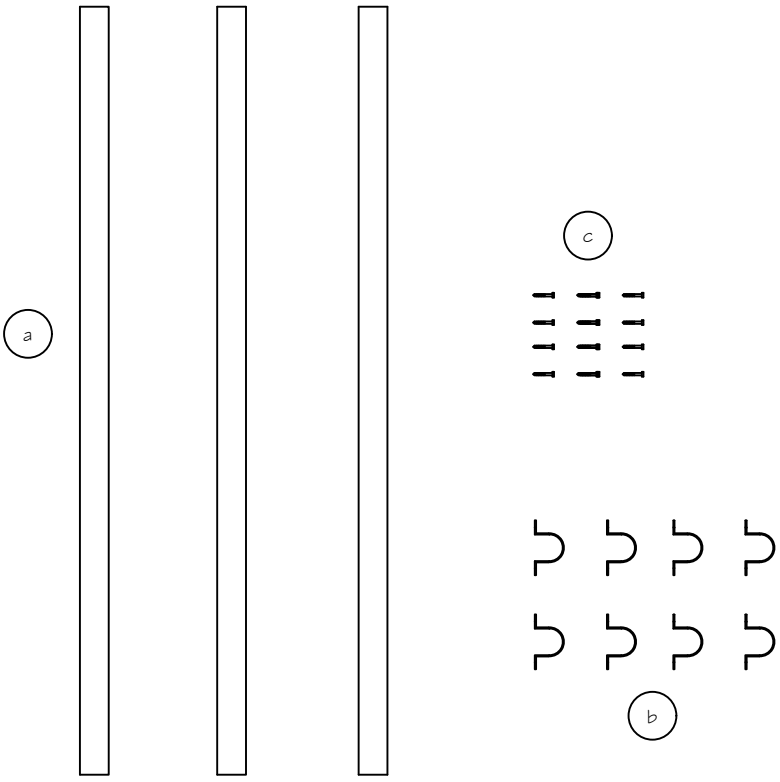
CONDUIT RISER, 3" PVC

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.

DIP320P
DIP330P
DIP340P



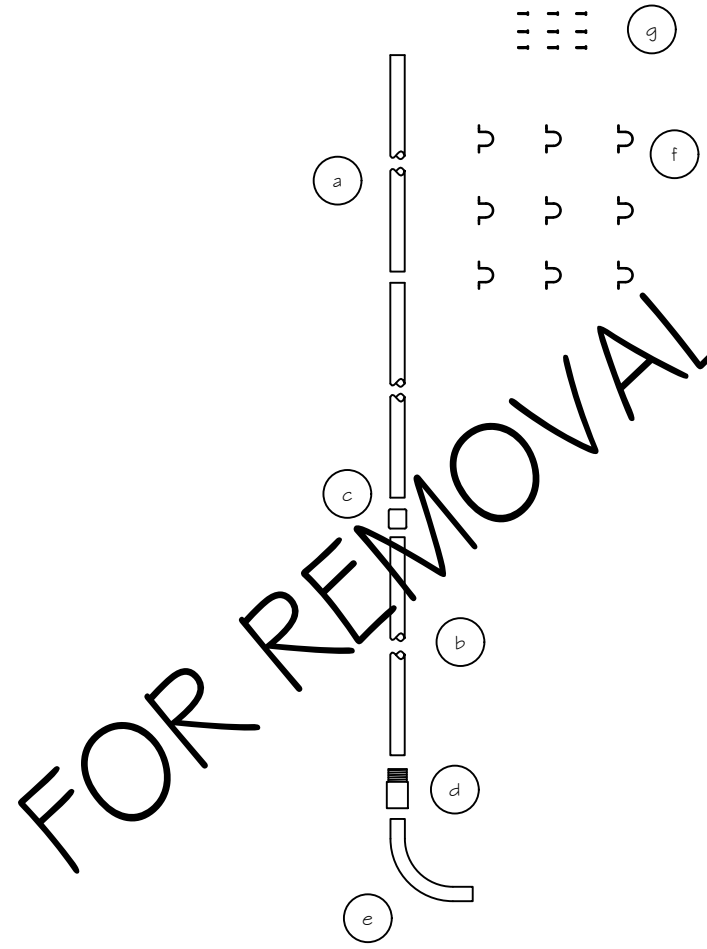
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP420P QUANTITY	DIP430P QUANTITY	DIP440P QUANTITY
a	CONDUIT, RIGID PVC 4"	1-070-050	20'	30'	40'
b	STRAP, CONDUIT, H.D., 4"	1-070-680	8	10	12
c	SCREW, LAG, 3/8" x 3"	1-325-910	16	20	24

CONDUIT RISER, 4" PVC

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.
DIP420P
DIP430P
DIP440P



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	~~DIP430M~~ QUANTITY	QUANTITY	QUANTITY
a	CONDUIT, RIGID 4" PVC	1-070-050	20'		
b	CONDUIT, 4" STEEL	1-070-110	10'		
c	ADAPTER, FEMALE 4" PVC	1-070-516	1		
d	ADAPTER, MALE, PVC 4"	1-070-513	1		
e	ELBOW, 90 DEGREE, PVC 4"	1-070-573	1		
f	STRAPS, CONDUIT, H.D. 4"	1-070-680	12		
g	SCREW, LAG, 3/8 x 3"	1-325-910	24		

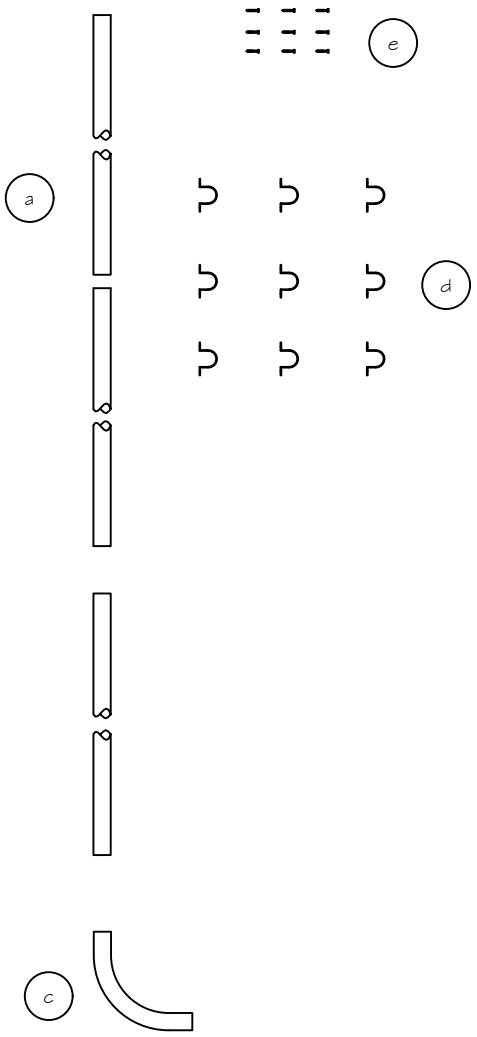
CONDUIT RISER
4" PVC W/ STEEL LOWER SECTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

DIP430M



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP520P QUANTITY	DIP530P QUANTITY	DIP540P QUANTITY
a	CONDUIT, RIGID 5" PVC	1-070-060	20'	30'	40'
c	ELBOW, 90 DEGREE, PVC 5", 36"R	1-070-576	1	1	1
d	STRAPS, CONDUIT, H.D. 5"	1-070-685	8	10	12
e	SCREW, LAG, 3/8 x 3"	1-325-910	16	20	24

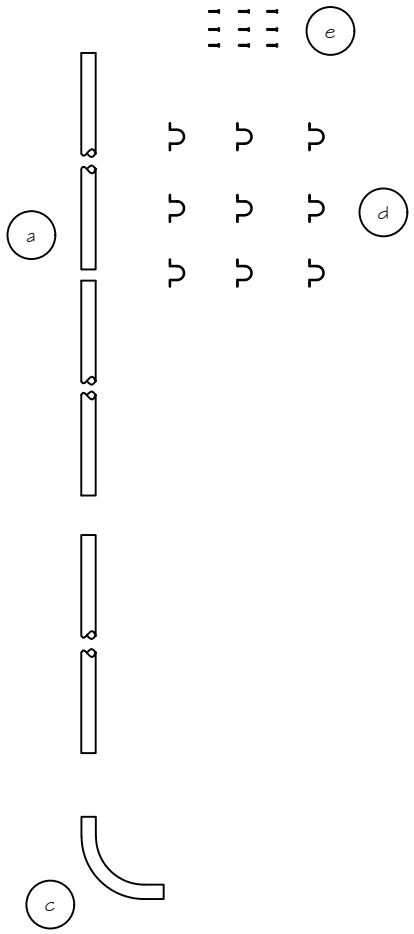
CONDUIT RISER, 5" PVC

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.

DIP520P
DIP530P
DIP540P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	DIP620P	DIP630P	DIP640P
			QUANTITY	QUANTITY	QUANTITY
a	CONDUIT, RIGID 6" PVC	1-070-062	20'	30'	40'
c	ELBOW, 90 DEGREE, PVC 6"	1-070-578	1	1	1
d	STRAPS, CONDUIT, H.D. 6"	1-070-690	8	10	12
e	SCREW, LAG, 3/8 x 3"	1-325-910	16	20	24

CONDUIT RISERS, 6" PVC

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	JUNE 30, 2001

ASSEMBLY ID.

DIP620P
DIP630P
DIP640P

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	UGARD, 2"		
UGARD2	U-GUARD, 2", 10' LENGTH, TRUCK STOCK	1-070-032	1
	SCREW, CUSHIONED LAG, $\frac{1}{4}$" X 2"	1-325-917	10
	UGARD, 3"		
UGARD3	U-GUARD, 3", 10' LENGTH, TRUCK STOCK	1-070-034	1
	SCREW, CUSHIONED LAG, $\frac{1}{4}$" X 2"	1-325-917	10
	UGARD, 4"		
UGARD4	U-GUARD, 4", 10' LENGTH, TRUCK STOCK	1-070-036	1
	SCREW, CUSHIONED LAG, $\frac{1}{4}$" X 2"	1-325-917	10
	UGARD, 5"		
UGARD5	U-GUARD, 5", 10' LENGTH, TRUCK STOCK	1-070-038	1
	SCREW, CUSHIONED LAG, $\frac{1}{4}$" X 2"	1-325-917	10
	UGARD, 6"		
UGARD6	U-GUARD, 6", 10' LENGTH, TRUCK STOCK	1-070-040	1
	SCREW, CUSHIONED LAG, $\frac{1}{4}$" X 2"	1-325-917	10

U-GUARD
10 foot Sections
2", 3", 4", 5" and 6"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW III	DATE: JANUARY 28, 2021
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised:

ASSEMBLY ID.

UGARD



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	UGARD210 QUANTITY	UGARD220 QUANTITY	UGARD230 QUANTITY
a	U-GUARD, 2" PVC	1-070-043	10'	20'	30'
b	SCREW, CUSHIONED LAG, 1/4" x 2"	1-325-917	10	20	30

2" U-GUARD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: AUGUST 2, 2004

ASSEMBLY ID.
UGARD210
UGARD220
UGARD230



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	UGARD310 QUANTITY	UGARD320 QUANTITY	UGARD330 QUANTITY
a	U-GUARD, 3" PVC	1-070-044	10'	20'	30'
b	SCREW, CUSHIONED LAG, 1/4" x 2"	1-325-917	10	20	30

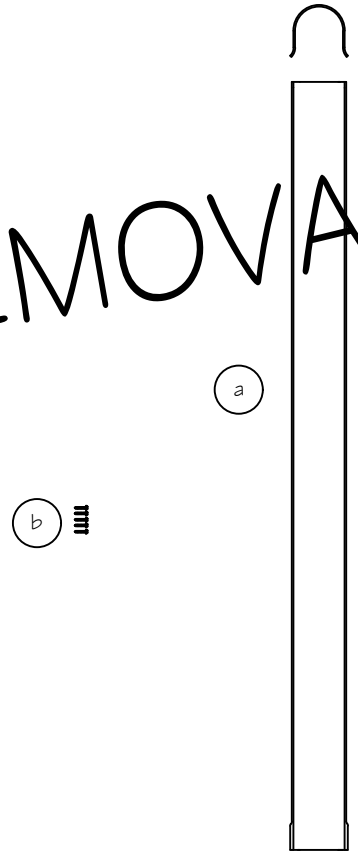
3" U-GUARD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: AUGUST 2, 2004

ASSEMBLY ID.
UGARD310
UGARD320
UGARD330

FOR REMOVAL ONLY



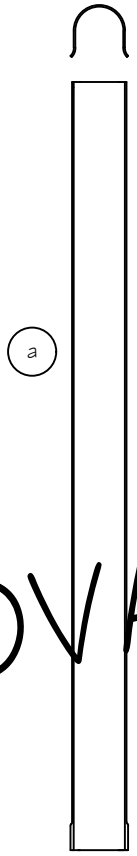
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	UGARD410 QUANTITY	UGARD420 QUANTITY	UGARD430 QUANTITY
a	U-GUARD, 4" PVC	1-070-046	10'	20'	30'
b	SCREW, CUSHIONED LAG, 1/4" x 2"	1-325-917	10	20	30

4" U-GUARD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: AUGUST 2, 2004

ASSEMBLY ID.
UGARD410
UGARD420
UGARD430



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	UGARD510 QUANTITY	UGARD520 QUANTITY	UGARD530 QUANTITY
a	U-GUARD, 5" PVC	1-070-053	10'	20'	30'
b	SCREW, CUSHIONED LAG, 1/4" x 2"	1-325-917	10	20	30

5" U-GUARD

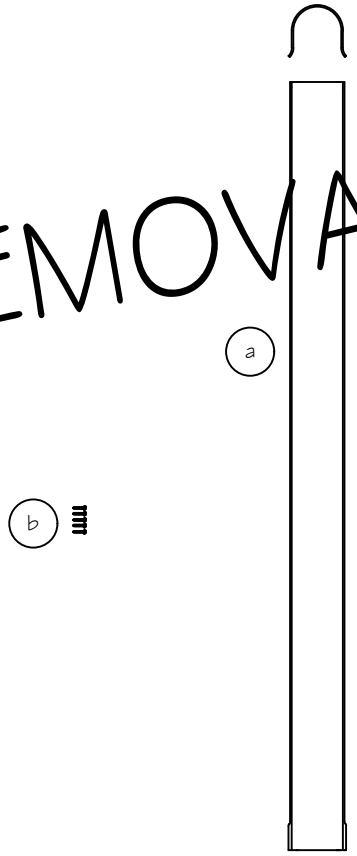
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: OCTOBER 13, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

UGARD510
UGARD520
UGARD530

FOR REMOVAL ONLY



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	UGARD610 QUANTITY	UGARD620 QUANTITY	UGARD630 QUANTITY
a	U-GUARD, 6" PVC	1-070-048	10'	20'	30'
b	SCREW, CUSHIONED LAG, 1/4" x 2"	1-325-917	10	20	30

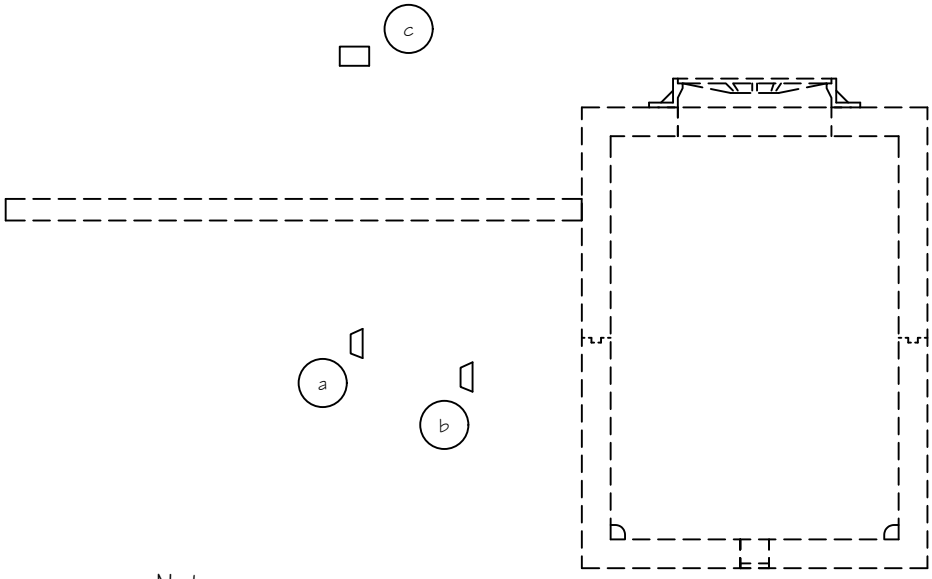
6" U-GUARD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: AUGUST 2, 2004

ASSEMBLY ID.

UGARD610
UGARD620
UGARD630



--Note--
Compatible Unit includes Reducers, Couplings and Labor required to Break-thru Manhole/Vault Wall and Connect Ductline to Vault or Manhole.

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	VDA24	VDA25	VDA26	
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	REDUCER, PVC, DUCT, 5" TO 4"	1-070-502	2	-	-	
b	REDUCER, PVC, DUCT, 6" TO 5"	1-070-503	-	2	2	
c	COUPLING, PVC, 5"	1-070-567	2	2	-	
c	COUPLING, PVC, 6"	1-070-568	-	-	2	

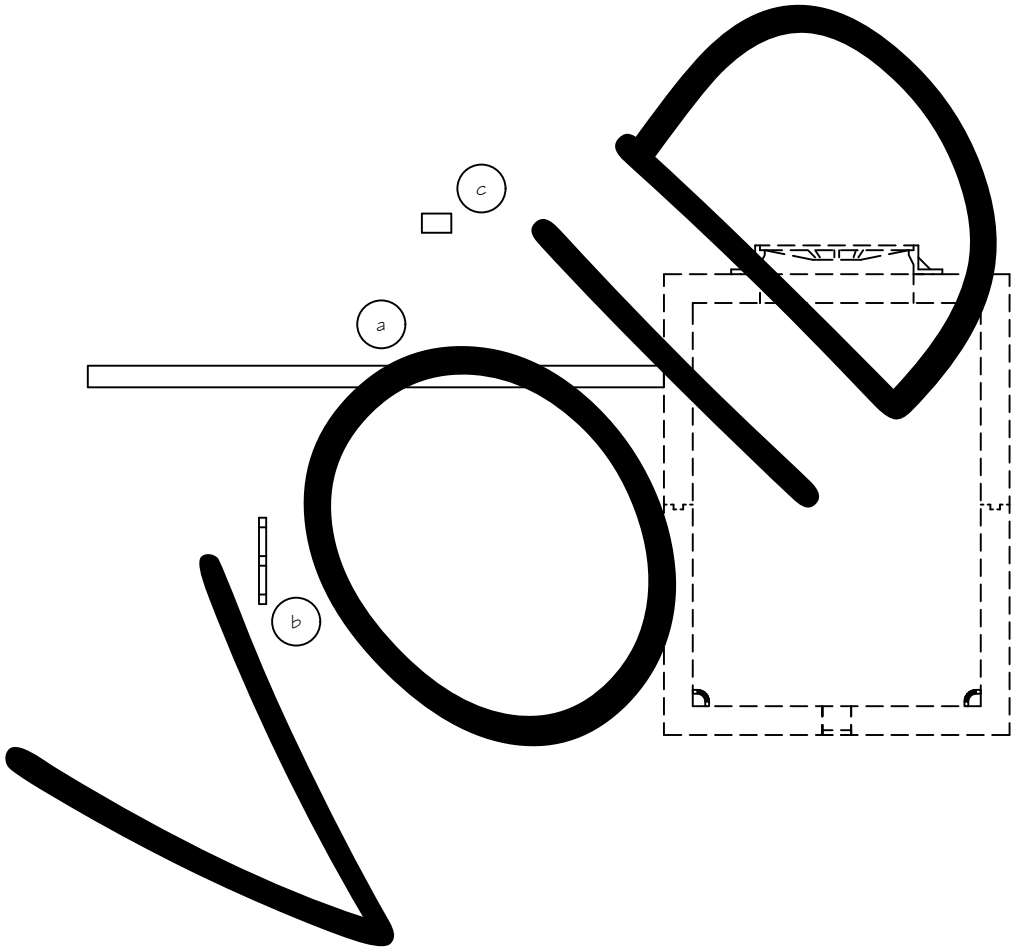
4", 5" & 6" VAULT DUCTLINE APPROACHES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 21, 2013

ASSEMBLY ID.

VDA24
VDA25
VDA26



VOID

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	VDA26	VDA26E	VDA46	VDA46E
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CONDUIT, 6" TYPE EB	1-070-063	20'	20'	40'	40'
b	SPACERS, DUCT, 6"	1-070-659	-	6	-	6
c	COUPLING, PVC, 6"	1-070-517	2	2	4	4
-	CONCRETE, 3000#	-	-	1.5 cu. yd.	-	1.5 cu. yd.

VAULT DUCTLINE APPROACHES (6" CONDUIT)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
VDA26
VDA26E
VDA46
VDA46E

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	DUCT BANK		
DBK4PE2	ENCASED DUCT, 2 - 4" PVC -- (ELECTRIC SYSTEM USE ONLY)	1-070-050	2'
DBK6BE2	ENCASED DUCT, 2 - 6" PVC -- (ELECTRIC SYSTEM USE ONLY)	1-070-063	2'
DBK4PE4	ENCASED DUCT, 4 - 4" PVC -- (ELECTRIC SYSTEM USE ONLY)	1-070-050	4'
DBK5PE2	ENCASED DUCT, 2 - 5" PVC -- (ELECTRIC SYSTEM USE ONLY)	1-070-060	2'
DBK5PE4	ENCASED DUCT, 4 - 5" PVC -- (ELECTRIC SYSTEM USE ONLY)	1-070-060	4'
DBK6BE4	ENCASED DUCT, 4 - 6" PVC -- (ELECTRIC SYSTEM USE ONLY)	1-070-063	4'
	DUCT BANK REINFORCING		
DBKREF4	DUCTLINE REINFORCING, 4 - #5 REBARS -- (ELECTRIC SYSTEM USE ONLY)	2-646-510	4'
DBKREF6	DUCTLINE REINFORCING, 6 - #5 REBARS -- (ELECTRIC SYSTEM USE ONLY)	2-646-510	6'
	DUCT BANK SPACERS		
DBKSPC4	CONDUIT SPACER, 4" -- (ELECTRIC SYSTEM USE ONLY)	1-070-658	1
DBKSPC6	CONDUIT SPACER, 6" --(ELECTRIC SYSTEM USE ONLY)	1-070-659	1

DUCT BANK and ACCESSORIES
ELECTRICAL SYSTEM ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: June 1, 2009

ASSEMBLY ID.

DUCTBANK

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
DUCT25	PVC CONDUIT, 2" RIGID	1-070-030	5'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	2'
	CLAMP, 2" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-292	2
	SHIELD, LAG, 1/2"	1-010-895	4
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	4
DUCT210	PVC CONDUIT, 2" RIGID	1-070-030	10'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	4'
	CLAMP, 2" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-292	4
	SHIELD, LAG, 1/2"	1-010-895	8
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	8
DUCT35	PVC CONDUIT, 3" RIGID	1-070-052	5'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	2'
	CLAMP, 3" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-293	2
	SHIELD, LAG, 1/2"	1-010-895	4
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	4
DUCT310	PVC CONDUIT, 3" RIGID	1-070-052	10'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	4'
	CLAMP, 3" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-293	4
	SHIELD, LAG, 1/2"	1-010-895	8
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	8

PVC CONDUIT
5' & 10' SURFACE RUNS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

DUCTSRF1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
DUCT45	PVC CONDUIT, 4" RIGID	1-070-050	5'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	2'
	CLAMP, 4" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-294	2
	SHIELD, LAG, 1/2"	1-010-895	4
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	4
DUCT410	PVC CONDUIT, 4" RIGID	1-070-050	10'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	4'
	CLAMP, 4" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-294	4
	SHIELD, LAG, 1/2"	1-010-895	8
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	8
DUCT55	PVC CONDUIT, 5" RIGID	1-070-060	5'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	2'
	CLAMP, 5" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-295	2
	SHIELD, LAG, 1/2"	1-010-895	4
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	4
DUCT510	PVC CONDUIT, 5" RIGID	1-070-060	10'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	4'
	CLAMP, 5" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-295	4
	SHIELD, LAG, 1/2"	1-010-895	8
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	8

PVC CONDUIT
5' & 10' SURFACE RUNS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

DUCTSRF2

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
DUCT65	PVC CONDUIT, 6" RIGID	1-070-062	5'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	2'
	CLAMP, 6" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-296	2
	SHIELD, LAG, 1/2"	1-010-895	4
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	4
DUCT610	PVC CONDUIT, 6" RIGID	1-070-062	10'
	UNISTRUT, A-12 CHANNEL, HOT-DIPPED GALV.	1-025-273	4'
	CLAMP, 6" DUCT FOR 1 5/8" FLANGED CHANNEL	1-025-296	4
	SHIELD, LAG, 1/2"	1-010-895	8
	BOLT, LAG, GALV., 1/2" X 4"	1-325-150	8

PVC CONDUIT
5' & 10' SURFACE RUNS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

DUCTSRF3

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	HDPE CONDUIT		
DUCT1H	HDPE CONTINUOUS CONDUIT, 1-1/4"	1-070-230	1'
DUCT1HORG	CONDUIT, CONTINUOUS HDPE, SDR-17, 3-REEL, 1 1/4", ORANGE	1-070-228	1'
DUCT2H	CONDUIT, CONTINUOUS HDPE, SDR-13.5, 2", w/PULL TAPE, BLACK/RED STRIPE	1-070-220	1'
DUCT2HRED	CONDUIT, CONTINUOUS HDPE, SDR-13.5, 2", w/PULL TAPE, RED	1-070-221	1'
DUCT2HWHT	CONDUIT, CONTINUOUS HDPE, SDR-13.5, 2", w/PULL TAPE, WHITE/RED STRIPE	1-070-222	1'
DUCT4H	HDPE CONTINUOUS CONDUIT, 4"	1-070-225	1'
DUCT4C	CONDUIT, SMOOTH-COR, HDPE, FLEXIBLE, 4" (10' SECTIONS)	1-070-260	1
	HDPE CONDUIT BENDS		
DUCT2H9C	BEND, 2", HPDE, 90°, 24" RADIUS	1-070-765	1
DUCT2H9O	BEND, 2", HPDE, 90°, 36" RADIUS	1-070-760	1
DUCT6H9E	BEND, 6", HPDE, 90°, 48" RADIUS	1-070-754	1
DUCT6H9F	BEND, 6", HPDE, 90°, 60" RADIUS (NOT for NEW INSTALLATIONS)	1-070-755	1
DUCT4H9F	BEND, 4", HPDE, 90°, 36" RADIUS	1-070-750	1
	HDPE CONDUIT COUPLINGS, ELECTROFUSION/PUSH-TYPE		
DUCTCPL4	COUPLING, ELECTROFUSION, 4"	1-070-745	1
DUCTCPL2	COUPLING, ELECTROFUSION, 2"	1-070-740	1
DUCTCPL6	COUPLING, ELECTROFUSION, 6"	1-070-746	1
DUCTCPL2PT	COUPLING, PUSH-TYPE, HDPE, 2"	1-070-743	1
DUCTCPL6PT	COUPLING, PUSH-TYPE, HDPE, 4"	1-070-747	1
DUCTCPL7PT	COUPLING, PUSH-TYPE, HDPE, 1-1/4"	1-070-744	1
DUCTCPL4ST	COUPLING, FOR SMOOTH-COR HDPE, 4"	1-070-265	1
	TRACER WIRE FOR EMPTY CONDUIT INSTALLATIONS		
TRACERWIRE	TAPE, 1/2", TONE WITH METAL WIRE	1-400-330	1'
	ADAPTERS		
ADAP4SC	ADAPTER, FOR SMOOTH-COR HDPE, 4"	1-070-262	1'

HDPE CONTINUOUS CONDUIT AND ACCESSORIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: 8/10/2023

ASSEMBLY ID.

DUCTHDP

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PVC CONDUIT -- ELECTRICAL SYSTEM ONLY		
DUCT1P	PVC CONDUIT, 1" RIGID	1-070-020	1'
DUCT2P	PVC CONDUIT, 2" RIGID	1-070-030	1'
DUCT3P	PVC CONDUIT, 3" RIGID	1-070-052	1'
DUCT4P	PVC CONDUIT, 4" RIGID	1-070-050	1'
DUCT4PCC	CONDUIT, CERTA-COM, 4" PVC SCH. 40	1-070-045	20'
DUCT5P	PVC CONDUIT, 5" RIGID	1-070-060	1'
DUCT6P	PVC CONDUIT, 6" RIGID	1-070-062	1'
	22.5 DEGREE PVC BENDS -- ELECTRICAL SYSTEM ONLY		
DUCT2P2C	BEND, 2" PVC CONDUIT, 22.5 DEGREE, 24" RADIUS	1-070-450	1
DUCT3P2C	BEND, 3" PVC CONDUIT, 22.5 DEGREE, 24" RADIUS	1-070-452	1
DUCT4P2C	BEND, 4" PVC CONDUIT, 22.5 DEGREE, 24" RADIUS	1-070-454	1
DUCT5P2O	BEND, 5" PVC CONDUIT, 22.5 DEGREE, 36" RADIUS	1-070-456	1
DUCT6P2E	BEND, 6" PVC CONDUIT, 22.5 DEGREE, 48" RADIUS	1-070-458	1
	45 DEGREE PVC BENDS -- ELECTRICAL SYSTEM ONLY		
DUCT2P4O	BEND, 2" PVC CONDUIT, 45 DEGREE, 36" RADIUS	1-070-460	1
DUCT3P4C	BEND, 3" PVC CONDUIT, 45 DEGREE, 24" RADIUS	1-070-462	1
DUCT4P4C	BEND, 4" PVC CONDUIT, 45 DEGREE, 24" RADIUS	1-070-464	1
DUCT5P4O	BEND, 5" PVC CONDUIT, 45 DEGREE, 36" RADIUS	1-070-466	1
DUCT6P4E	BEND, 6" PVC CONDUIT, 45 DEGREE, 48" RADIUS, SCH 40	1-070-579	1
DUCT6B4E	BEND, 6" PVC CONDUIT, 45 DEGREE, 48" RADIUS, EB	1-070-512	1
	90 DEGREE PVC BENDS -- ELECTRICAL SYSTEM ONLY		
DUCT1P9A	BEND, 1" PVC CONDUIT, 90 DEGREE, 9 1/2" RADIUS	1-070-565	1
DUCT2P9A	BEND, 2" PVC CONDUIT, 90 DEGREE, 9 1/2" RADIUS	1-070-572	1
DUCT2P9O	BEND, 2" PVC CONDUIT, 90 DEGREE, 36" RADIUS	1-070-570	1
DUCT3P9C	BEND, 3" PVC CONDUIT, 90 DEGREE, 24" RADIUS	1-070-571	1
DUCT3P9O	BEND, 3" PVC CONDUIT, 90 DEGREE, 36" RADIUS	1-070-463	1
DUCT4P9C	BEND, 4" PVC CONDUIT, 90 DEGREE, 24" RADIUS	1-070-575	1
DUCT4P9O	BEND, 4" PVC CONDUIT, 90 DEGREE, 36" RADIUS	1-070-573	1
DUCT5P9O	BEND, 5" PVC CONDUIT, 90 DEGREE, 36" RADIUS	1-070-576	1
DUCT6P9O	BEND, 6" PVC CONDUIT, 90 DEGREE, 48" RADIUS, SCH40	1-070-578	1
DUCT6B9E	BEND, 6" PVC CONDUIT, 90 DEGREE, 48" RADIUS, EB	1-070-577	1

PVC CONDUIT & ACCESSORIES
ELECTRICAL SYSTEM ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: June 29, 2018

ASSEMBLY ID.

DUCTPVC

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PVC CONDUIT COUPLINGS-- ELECTRICAL SYSTEM ONLY		
DUCTCPL3PVCL	COUPLING, LONG, CONDUIT, 3", PVC	1-070-561	1
DUCTCPL4PVC	COUPLING, CONDUIT, 4", PVC	1-070-563	1
DUCTCPL5PVC	COUPLING, CONDUIT, 5", PVC	1-070-567	1
DUCTCPL6PVCL	COUPLING, LONG, CONDUIT, 6", PVC	1-070-562	1
DUCTCPL6PVCEB	COUPLING, CONDUIT, 6", PVC, EB --- REMOVAL ONLY	1-070-568	1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	STEEL CONDUIT		
DUCT1S	STEEL CONDUIT, 1" RIGID	1-070-090	1'
DUCT7S	STEEL CONDUIT, 1-1/2" RIGID	1-070-095	1'
DUCT2S	STEEL CONDUIT, 2" RIGID	1-070-100	1'
DUCT3S	STEEL CONDUIT, 3" RIGID	1-070-101	1'
DUCT4S	STEEL CONDUIT, 4" RIGID	1-070-110	1'
DUCT5S	STEEL CONDUIT, 5" RIGID	1-070-120	1'
DUCT6S	STEEL CONDUIT, 6" RIGID	1-070-200	1'
	STEEL ELBOWS		
DUCT4S9C	STEEL ELBOW, 4", 90 DEGREE, 24" RADIUS	1-070-070	1
DUCT4S9E	STEEL ELBOW, 4", 90 DEGREE, 48" RADIUS	1-070-075	1
DUCT5S9E	STEEL ELBOW, 5", 90 DEGREE, 48" RADIUS	1-070-080	1
DUCT6S9D	STEEL ELBOW, 6", 90 DEGREE, 30" RADIUS	1-070-085	1
DUCT6S4D	STEEL ELBOW, 6", 45 DEGREE, 30" RADIUS	1-070-087	1
	STEEL COUPLINGS		
DUCTCPL6ST	COUPLING, CONDUIT, 6", RIGID STEEL	1-070-564	1

STEEL CONDUIT & ACCESSORIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

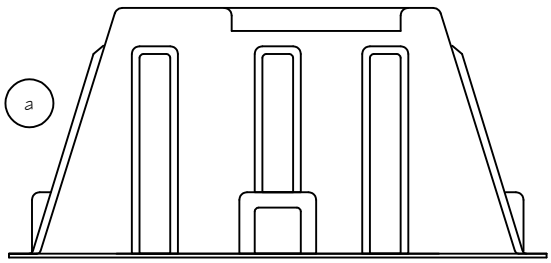
DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: December 15, 2010

ASSEMBLY ID.

DUCTSTL

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FOUNDATIONS/PADS



--NOTE--
Specify Driven Ground Seperately

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADBOX1		
			QUANTITY	QUANTITY	QUANTITY
a	PAD, TRANSFORMER, COMPARTMENTAL	1-300-410	1		

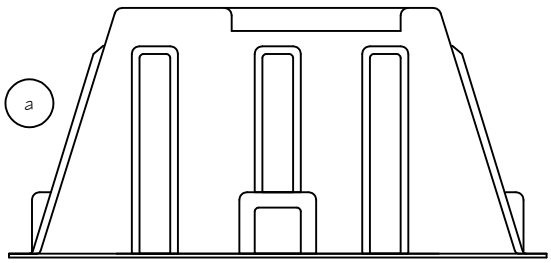
COMPARTMENTAL PAD for SINGLE PHASE TRANSFORMERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.

PADBOX1



--NOTE--
Specify Driven Ground Seperately

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADBOX2		
			QUANTITY	QUANTITY	QUANTITY
a	PAD, COMPARTMENTAL, ENCL., 3-PH, 84 x 42 x 24	1-300-415	1		

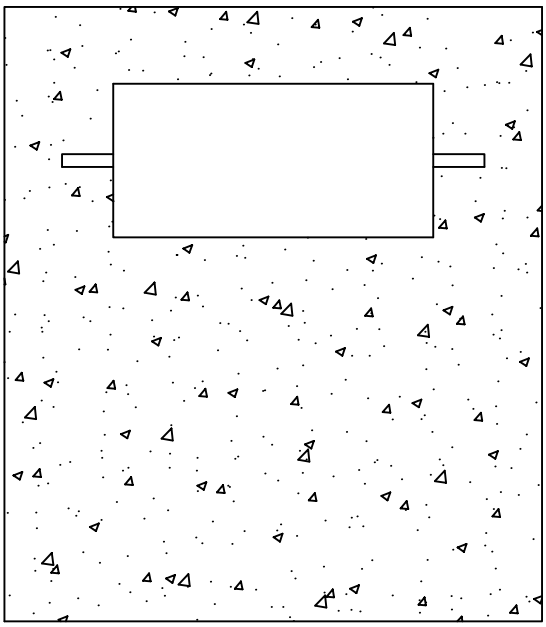
COMPARTMENTAL PAD for THREE PHASE FUSED TAP ENCLOSURES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: SEPTEMBER14, 2007
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.

PADBOX2



a

--Note--
Specify Driven Ground Seperately

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADCONC2	PADCONC1	
			QUANTITY	QUANTITY	QUANTITY
a	PAD, CONCRETE, PRECAST, 42" x 48" x 4"	1-300-600	1	-	
a	PAD, CONCRETE PRECAST, 52" x 56" x 4"	1-300-610	-	1	

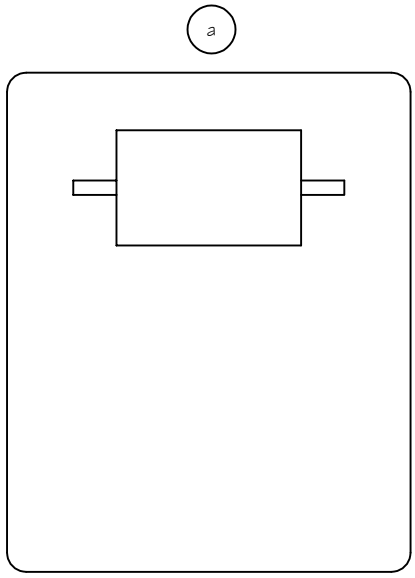
PRECAST CONCRETE PADS FOR TRANSFORMERS AND PADMOUNTED EQUIPMENT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: SEPTEMBER 29, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PADCONC1
PADCONC2



--Note--
Specify Driven Ground Seperately

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADPOLYV		
			QUANTITY	QUANTITY	QUANTITY
a	POLYPAD, 42" x 42" x 4", TRANSFORMER PAD	1-300-334	1		

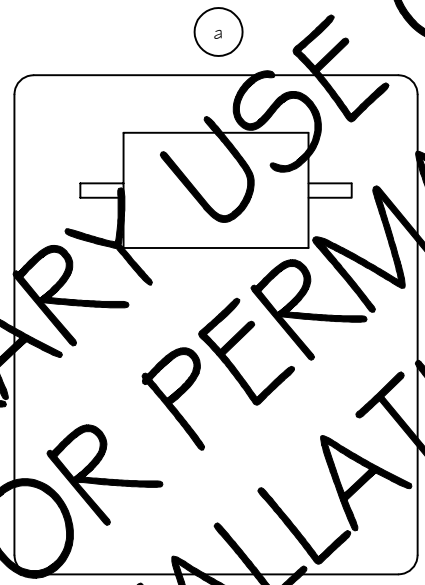
POLYMER COVERED MONOLITHIC TRANSFORMER PADS (For Use Over Tubular Vaults)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10 , 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.

PADPOLYV



TEMPORARY USE ONLY
NOT FOR PERMANENT
INSTALLATIONS

--Note--
Specify Driven
Ground Seperately

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADPOLYS QUANTITY	PADPOLYM QUANTITY	PADPOLYM QUANTITY
a	POLYPAD, 42" x 42" x 4", TRANSFORMER PAD	1-300-335	1	-	-
a	POLYPAD, 42" x 52" x 4", TRANSFORMER PAD	1-300-337	-	1	-
a	POLYPAD, 48" x 48" x 4", TRANSFORMER PAD	1-300-340	-	-	1

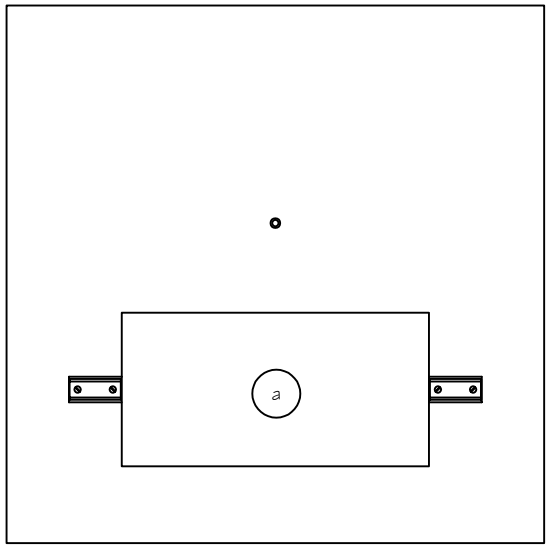
POLYMER COVERED MONOLITHIC TRANSFORMER PADS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JANUARY 23, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.

PADPOLYS
PADPOLYM
PADPOLYL



--Note--
Specify Driven Ground Seperately

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADPCS	PADPCL	PADPC3
			QUANTITY	QUANTITY	QUANTITY
a	PAD, EQUIPMENT MONOLITHIC, 42" x 42" x 4"	1-300-336	1	-	-
a	PAD, EQUIPMENT MONOLITHIC, 48" x 54" x 4"	1-300-338	-	1	-
a	PAD, PRECAST, POLYMER CONCRETE,, 96" x 84" x 4"	1-300-450	-	-	1

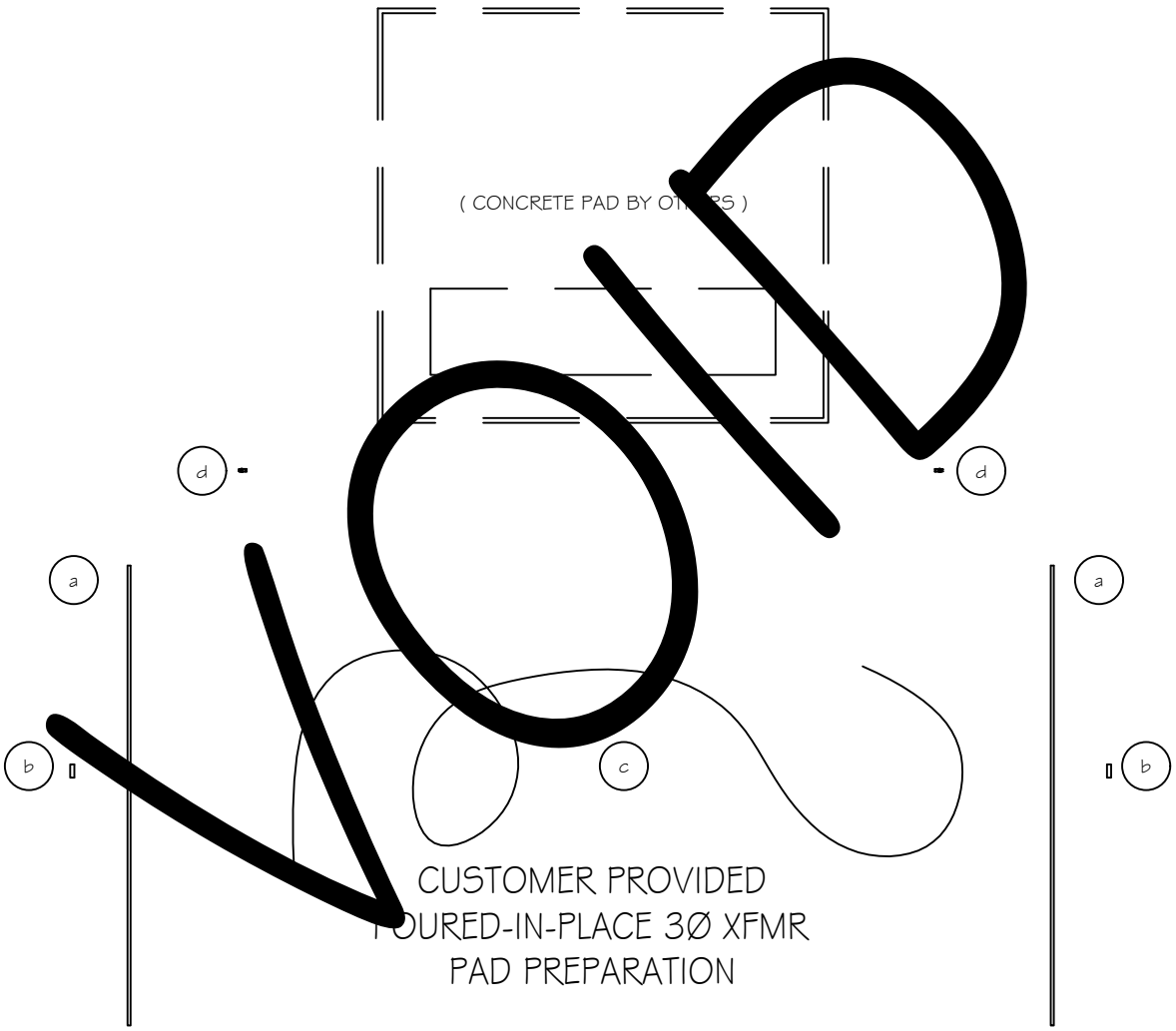
PRECAST MONOLITHIC PADS FOR TRANSFORMERS AND PADMOUNTED EQUIPMENT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: APRIL 20, 2011

ASSEMBLY ID.

PADPCS
PADPCL
PADPC3



VOID

CUSTOMER PROVIDED
POURED-IN-PLACE 3Ø XFMR
PAD PREPARATION

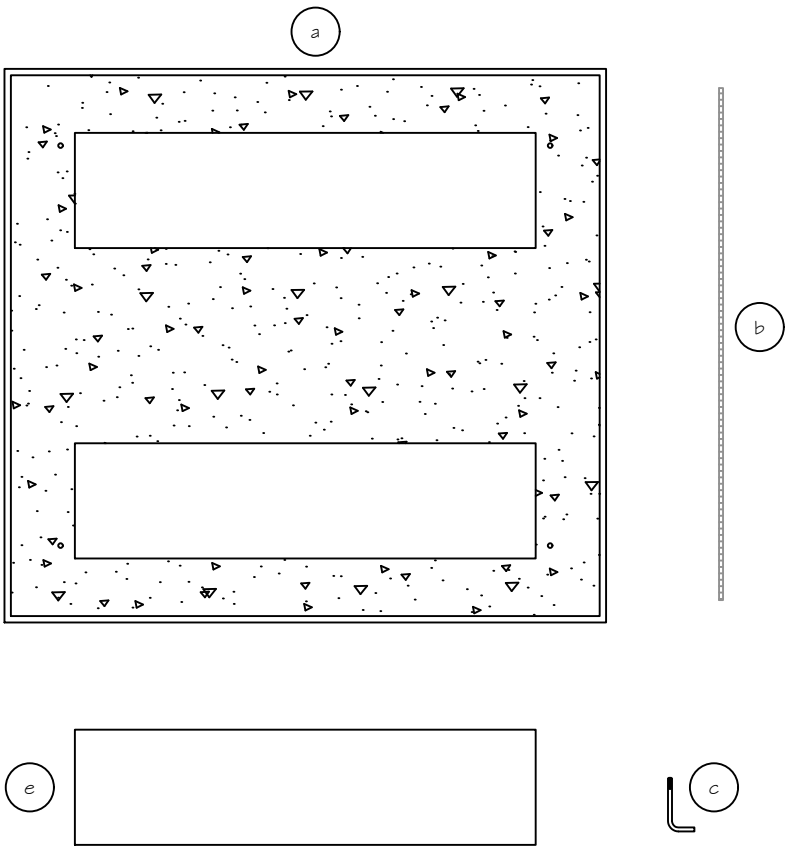
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADPREPS QUANTITY	PADPREPM QUANTITY	PADPREPL QUANTITY
a	ROD, GROUND, 5/8" x 10' CU-CLAD SECTIONAL	1-255-070	2	4	4
b	COUPLING, THREADED GROUND ROD, 5/8" CU	1-095-010	1	2	2
c	WIRE, CU, TIE, #4, SOFT	1-065-040	6'	-	-
c	CONDUCTOR, #2 AWG CU SOFT	1-065-025	-	6'	-
c	CONDUCTOR, 2/0 AWG SOFT DRAWN COPPER	1-065-177	-	-	6'
d	CLAMP, GROUND ROD, #2 x 5/8" BRONZE	1-050-050	1	2	2

CUSTOMER PROVIDED
POURED-IN-PLACE 3Ø XFMR
PAD PREPARATION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
PADPREPS
PADPREPM
PADPREPL



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PADPMS05	PADPMS09	
			QUANTITY	QUANTITY	QUANTITY
a	CONCRETE, POURED IN PLACE, 3000#	-	0.6 cu. yd.	1.5 cu. yd.	
b	REBAR, 5/8", #5	2-646-510	40'	150'	
c	BOLT, 5/8" x 6" ANCHOR	-	4	4	
d	TIES, REBAR	-	8	76	
e	INSERT, PMS FOUNDATION, 37" x 50" x 30"	1-283-070	1	-	
e	INSERT, PMS FOUNDATION, 18" x 72" x 30"	1-283-075	-	2	

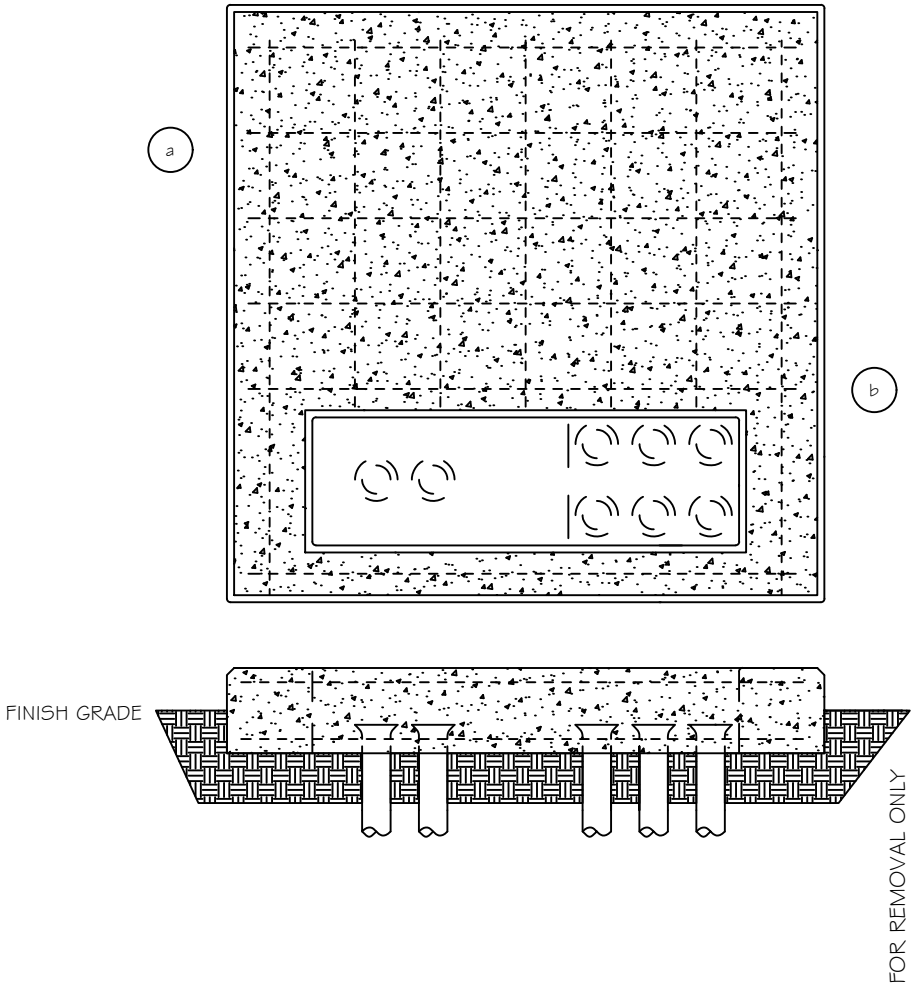
FOUNDATION PADS FOR METALCLAD DISTRIBUTION SWITCHGEAR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

PADPMS05
PADPMS09



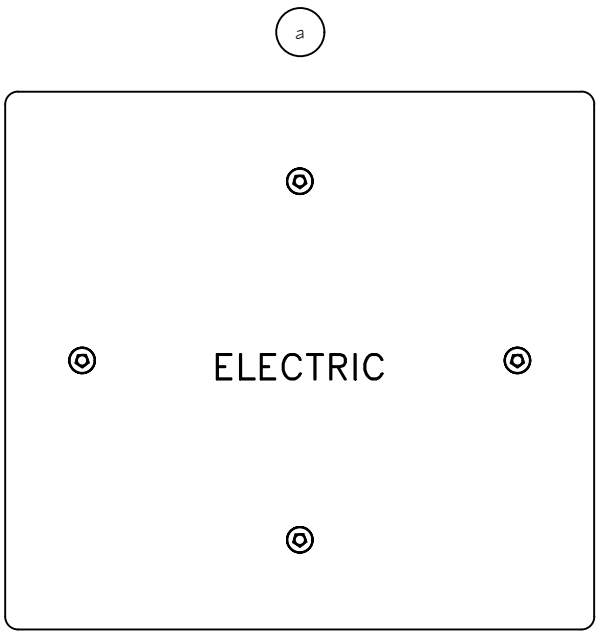
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PAD72	PAD84	PAD96
			QUANTITY	QUANTITY	QUANTITY
a	CONCRETE, POURED IN PLACE, 3000#	-	1.4 cu. yd.	1.8 cu. yd.	2.4 cu. yd.
b	REBAR, 5/8", #5	2-646-510	136'	144'	240'

CONCRETE FOUNDATION PADS FOR PADMOUNTED TRANSFORMERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY, 7, 2006

ASSEMBLY ID.
PAD72
PAD84
PAD96



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	TOPBOX I		
			QUANTITY	QUANTITY	QUANTITY
a	COVER, COMPARTMENTAL PAD	I-300-420	I		

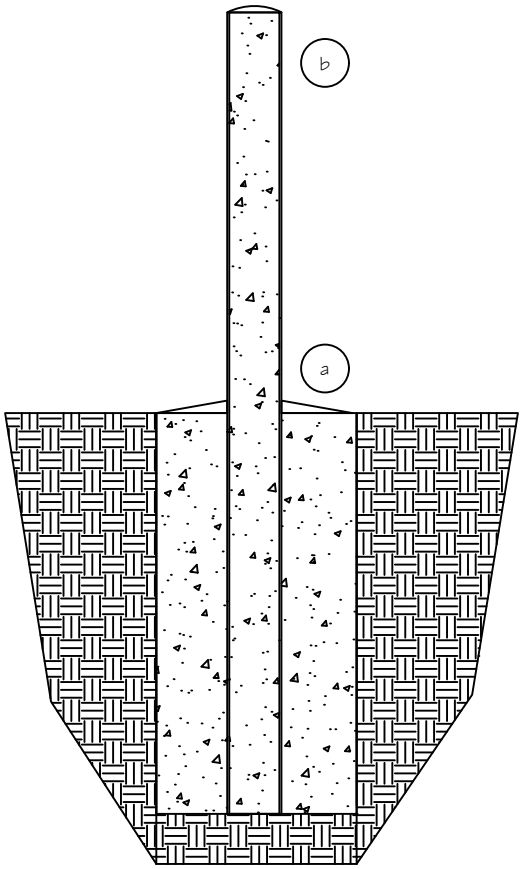
COVER COMPARTMENTAL PAD

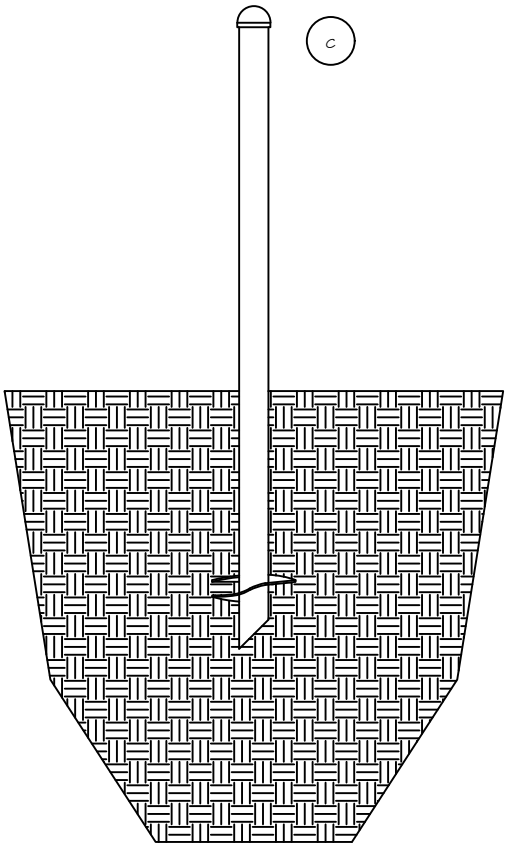
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

TOPBOX I





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GRDPOST QUANTITY	GRDPOSTD QUANTITY	QUANTITY
a	CONCRETE, POURED IN PLACE, 3000#	-	.7 cu. yd.	-	
b	CONDUIT, 6" RIGID STEEL	1-070-200	8'	-	
c	ANCHOR, BUMPER POST, 8" HELIX	1-010-899	-	1	

GUARD POST FOR PADMOUNTED TRANSFORMERS

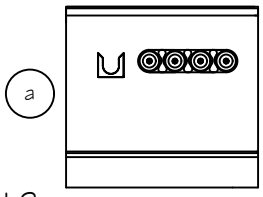
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

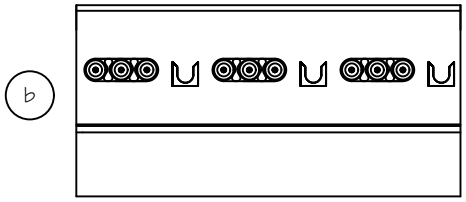
GRDPOST
GRDPOSTD

PEDESTALS & ENCLOSURES

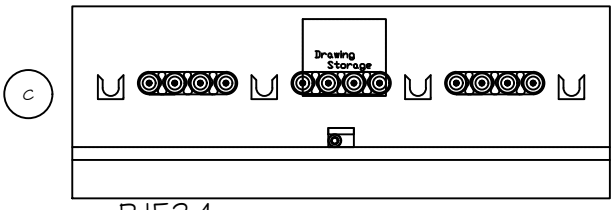


PJE13





PJE33



PJE34

--Note--

Specify Driven Ground Seperately

REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PJE13	PJE33	PJE34
			QUANTITY	QUANTITY	QUANTITY
a	ENCLOSURE, PRIMARY JUNCTION, FIBERGLASS, SMALL	1-115-100	1	-	-
b	ENCLOSURE, PRIMARY JUNCTION, 60" x 30" x 18" (REMOVAL ONLY)	1-115-090	-	1	-
c	ENCLOSURE, PRIMARY JUNCTION, FIBERGLASS, LARGE	1-115-095	-	-	1
g	PADLOCK, BRASS, GENERAL PURPOSE	1-340-350	1	1	2

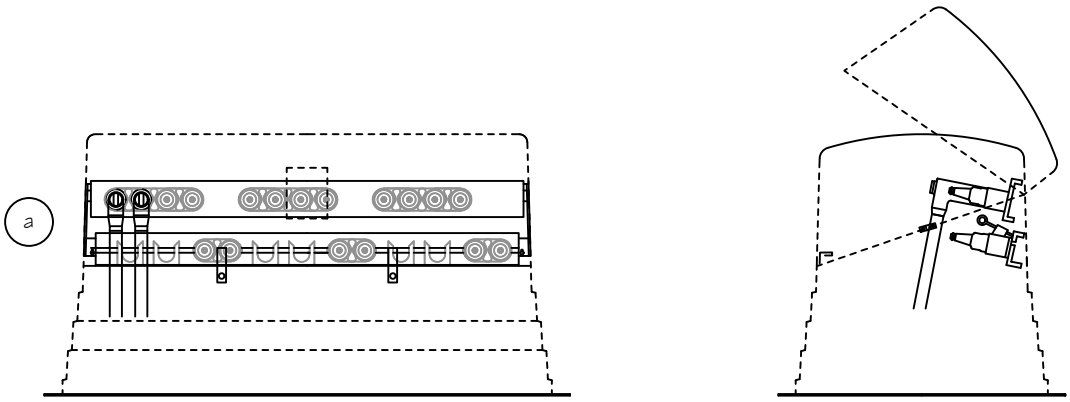
PRIMARY JUNCTION ENCLOSURES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: April 25, 2019

ASSEMBLY ID.

PJE13
PJE33
PJE34



PJE3D = DOUBLE CIRCUIT FIBERGLASS ENCLOSURE

PJE3L = LARGE STAINLESS ENCLOSURE

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	PJE3D QUANTITY	PJE3L QUANTITY	QUANTITY
a	ENCLOSURE, PRIMARY JUNCTION, DOUBLE CIRCUIT, FBGL, LARGE	1-115-097	1	-	
a	ENCLOSURE, PRIMARY JUNCTION, 84 X 30 X 30 , LARGE (STAINLESS)	1-115-094	-	1	

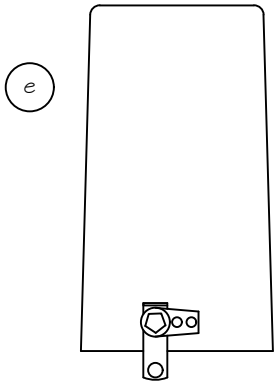
ENCLOSURE PRIMARY JUNCTION
DOUBLE CIRCUIT FIBERGLASS and
LARGE STAINLESS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 25, 2011
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised April 25, 2019

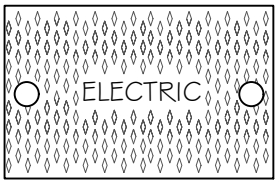
ASSEMBLY ID.

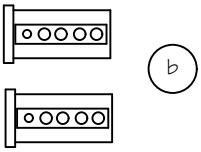
PJE3D
PJE3L

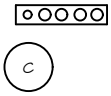


SJE14

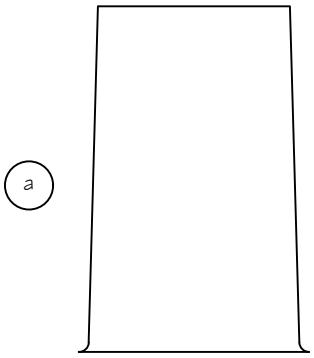


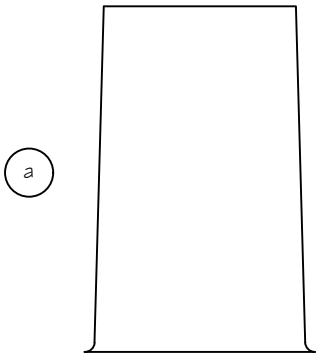






--SJE14F--
USE FOR LIGHTING or
SIDEWALK INSTALLATIONS





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SJE14 QUANTITY	SJE14F QUANTITY	QUANTITY
a	PEDESTAL, BASE, POLYMER	1-115-054	1	1	
b	CONNECTOR, PEDESTAL, SET-SCREW, 5 x #10 - 350	1-075-520	2	-	
b	CONNECTOR, SUBMERSIBLE, SET-SCREW, #6 - #350	1-075-530	-	2	
c	CONNECTOR, PEDESTAL, NEUTRAL, 4 x #6 - 250	1-075-510	1	1	
d	LOCK ASSEMBLY	1-340-345	1	-	
e	PEDESTAL, TOP, POLYMER	1-115-055	1	-	
f	COVER, PEDESTAL BASE, 9" X 14"	1-115-056	-	1	

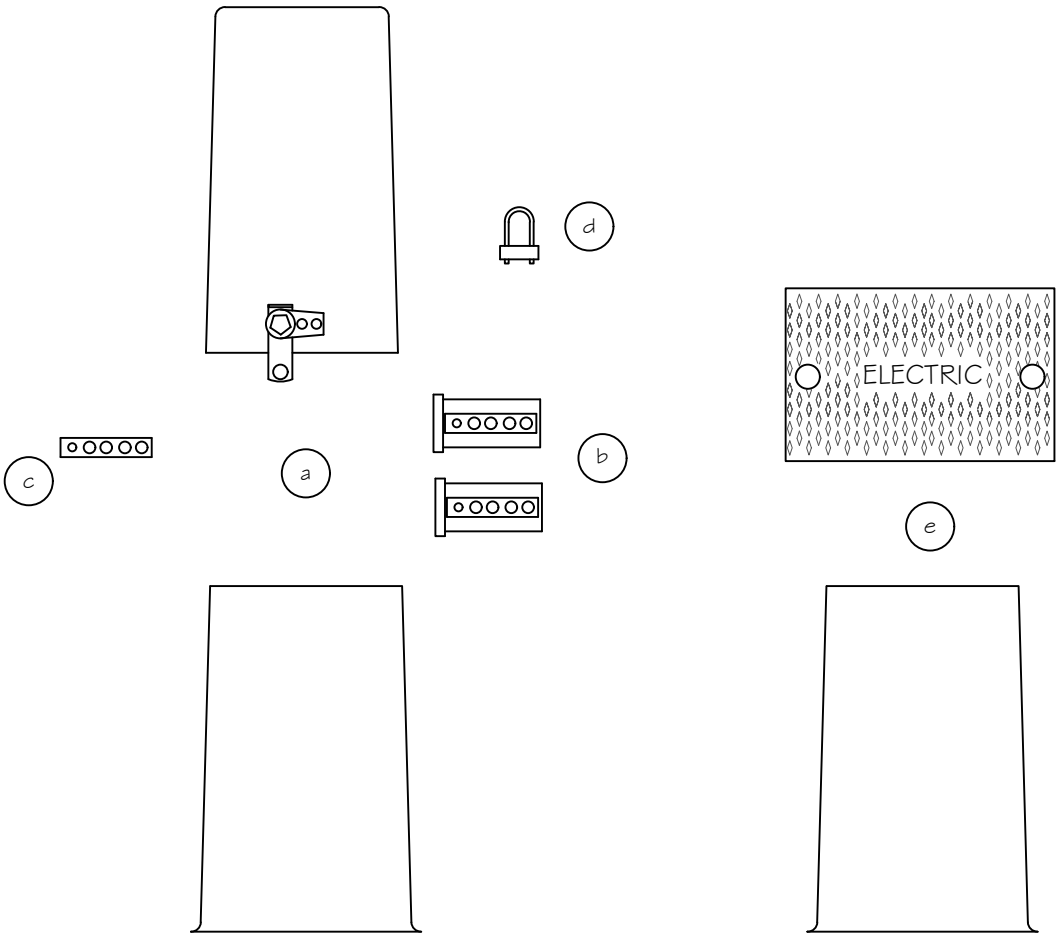
SECONDARY JUNCTION ENCLOSURE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: NOV. 21, 2016

ASSEMBLY ID.

SJE14
SJE14F



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SJE34 QUANTITY	SJE34F QUANTITY	QUANTITY
a	PEDESTAL, SECONDARY, POLYMER	1-115-038	1	-	
b	CONNECTOR, PEDESTAL, SET-SCREW, 5 x #10 - 350	1-075-520	3	-	
b	CONNECTOR, SUBMERSIBLE, SET-SCREW, #6 - #350	1-075-530	-	3	
c	CONNECTOR, PEDESTAL, NEUTRAL, 4 x #6 - 250	1-075-510	1	1	
d	LOCK ASSEMBLY	1-340-345	1	1	
e	HANDHOLE, SECONDARY, POLYMER, W/COVER	1-115-045	-	1	

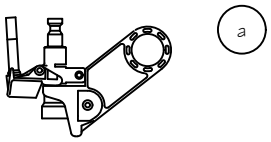
SECONDARY JUNCTION ENCLOSURE

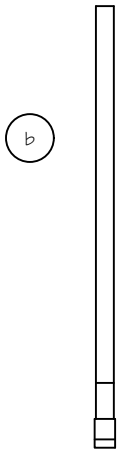
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

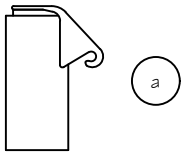
DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: NOV. 21, 2016

ASSEMBLY ID.

SJE34
SJE34F







ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FSMU140K			
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	FITTING, FUSE MOUNTING END, SML-20	1-140-065	1			
b	FUSE, SMU-20 REFILL ELEMENT, 140-K	1-140-233	1			

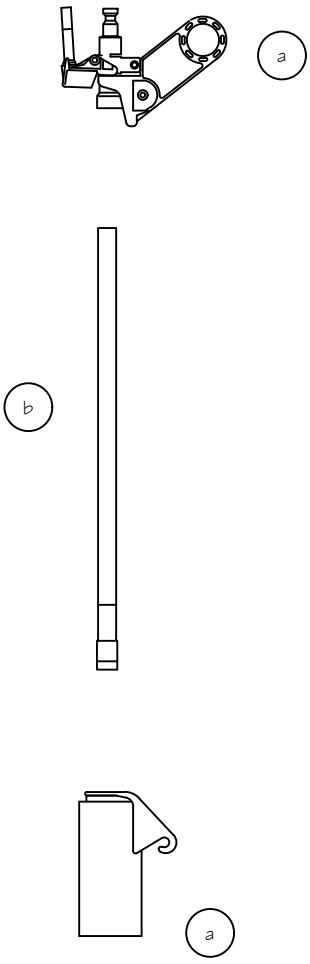
SMU-20 FUSE (K)
ASSEMBLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FSMU140K



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FSMU050E	FSMU080E	FSMU100E	FSMU125E
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	FITTING, FUSE MOUNTING END, SML-20	1-140-065	1	1	1	1
b	FUSE, SMU-20 REFILL ELEMENT, 50-E	1-140-239	1	-	-	-
b	FUSE, SMU-20 REFILL ELEMENT, 125-E	1-140-231	-	-	-	1
b	FUSE, SMU-20 REFILL ELEMENT, 100-E	1-140-234	-	-	1	-
b	FUSE, SMU-20 REFILL ELEMENT, 80-E	1-140-235	-	1	-	-

SMU-20 FUSE (E) ASSEMBLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
FSMU050E
FSMU080E
FSMU100E
FSMU125E

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
TEV1LY	ENCLOSURE, 25KV 1-PHASE, LOOP FEED, TAP INTERRUPTER	1-115-210	1
TED3L2	ENCLOSURE, 25KV 3-PHASE, LOOP FEED, DEADFRONT, FUSED TAPS	1-115-220	1
TED1L2	ENCLOSURE, 25KV 1-PHASE, LOOP FEED, DEADFRONT, FUSED TAPS	1-115-230	1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PADMOUNTED, BASE SPACERS for SECONDARY ENCLOSURES - 1600 AMP		
ENCSPACER16A	ENCLOSURE, BASE SPACER, 1600A	1-115-195	1
	PADMOUNTED, BASE SPACERS for SECONDARY ENCLOSURES - 2500 AMP		
ENCSPACER25A	ENCLOSURE, BASE SPACER, 2500A	1-115-206	1
	PADMOUNTED, BASE SPACERS for SECONDARY ENCLOSURES - 4000 AMP		
ENCSPACER40A	ENCLOSURE, BASE SPACER, 4000A	1-115-215	1

BASE SPACERS for PADMOUNTED SECONDARY ENCLOSURES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: W.R.W.3	DATE: JANUARY 24, 2007
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ENCLOSURE BASE SPACERS

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	2-POSITION SEPARABLE CONNECTOR JUNCTIONS		
JCT2-200-25LB	JUNCTION, 25KV, 200A, LOADBREAK, 2-POSITION	1-075-446	1
JCT2-600-15DB	JUNCTION, 25KV, 600A, DEADBREAK, 2-POSITION	1-075-453	1
	3-POSITION SEPARABLE CONNECTOR JUNCTIONS		
JCT3-200-25LB	JUNCTION, 25KV, 200A, LOADBREAK, 3-POSITION	1-075-449	1
JCT3-200-15DB	JUNCTION, 25KV, 200A, DEADBREAK, 3-POSITION -- REMOVAL ONLY	1-075-447	1
	4-POSITION SEPARABLE CONNECTOR JUNCTIONS		
JCT4-200-25LB	JUNCTION, 25KV, 200A, LOADBREAK, 4-POSITION	1-075-451	1
JCT4-200-15DB	JUNCTION, 15KV, 200A, DEADBREAK, 4-POSITION -- REMOVAL ONLY	1-075-448	1
	5-POSITION SEPARABLE CONNECTOR JUNCTIONS		
JCT5-200-25LB	JUNCTION, 25KV, 200A, LOADBREAK, 5-POSITION	1-075-452	1

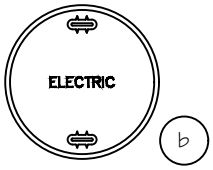
2, 3, 4 & 5 POINT
JUNCTIONS for
SEPARABLE CONNECTOR

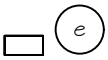
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

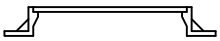
DRAWN BY: WRW3	DATE: OCTOBER 13, 2005
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: FEBRUARY 10, 2009

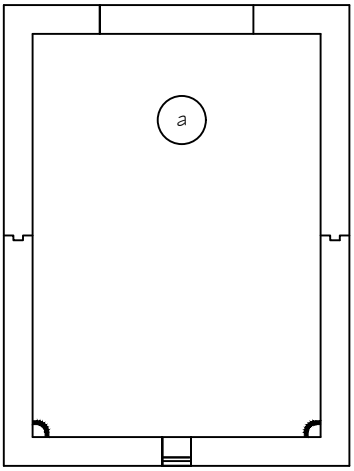
ASSEMBLY ID.
JUNCTIONS
for
SEPARABLE
CONNECTORS

VAULTS & ACCESSORIES









--Note--
Specify Driven Ground
Seperately

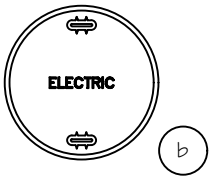
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	VLT55	VLT55D1	VLT55D2	VLT55D3
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	VAULT, PRECAST CONCRETE, 5' x 5' x 7'	1-175-020	1	1	1	1
b	CAST IRON COVER & RING	1-175-430	1	1	1	1
e	BRICK, 4 x 8, SOLID	-	44	110	176	242
f	CRUSHED RUN	-	2 cu. yd.	2 cu. yd.	2 cu. yd.	2 cu. yd.
g	MORTAR, PREMIX MASONARY	-	1 bag	1 bag	2 bags	2 bags

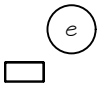
PRIMARY VAULT
5' x 5' x 7'

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

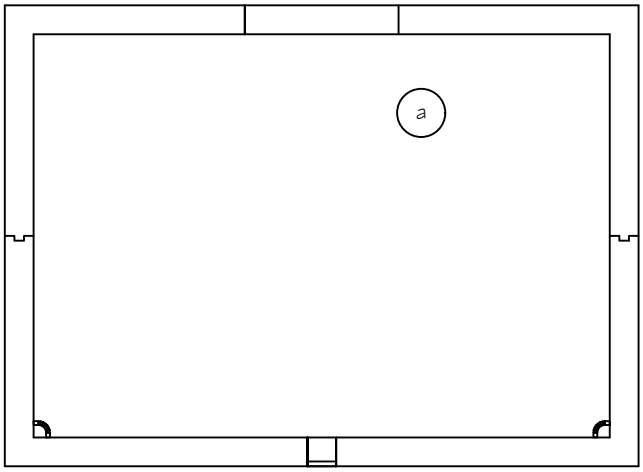
DRAWN BY: J. CHAMBERS	DATE: JANUARY 23, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.
VLT55
VLT55D1
VLT55D2
VLT55D3









ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	VLT510	VLT5101	VLT5102	VLT5103
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	VAULT, PRECAST CONCRETE, 5' x 10' x 7'	1-175-025	1	1	1	1
b	CAST IRON COVER & RING	1-175-430	1	1	1	1
e	BRICK, 4" x 8", SOLID	-	44	110	176	242
-	CRUSHED RUN	-	2 cu. yd.	2 cu. yd.	2 cu. yd.	2 cu. yd.
-	MORTAR, PREMIX MASONARY	-	1 bag	1 bag	2 bags	2 bags

PRIMARY VAULT
5' x 10' x 7'

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JANUARY 23, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JULY 29, 2004

ASSEMBLY ID.
VLT510
VLT5101
VLT5102
VLT5103

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T500B5B	500KVA VAULT		
	TRANSFMR, VAULT, 500KVA, 24.94GRDY/14.4x12.27GRDY/7.2-208Y/120	1-295-255	1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
T500B6B	500KVA VAULT		
	TRANSFMR, VAULT, 500KVA, 24.94GRDY/14.4x12.27GRDY/7.2-208Y/120	1-295-255	1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	MANHOLE, SITE BUILT, BLOCK & CONCRETE, 4'w X 6'l X 5'h		
MH04X06	BLOCK, 4 X 8 X 16, CONCRETE, FOR VAULT REPAIR, H-20	1-175-015	182
	CONCRETE, #4000psi MINIMUM	-	1-1/2 yds
	REBAR, #5	2-646-510	80'
	MORTAR MIX, BRIXMENT, TYPE "S", #70	2-265-035	10 bags
	COVER, SQUARE, HINGED with SQUARE RING	1-162-091	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		
	MANHOLE, PRECAST CONCRETE, 5' X 5' X 7'		
MH05X05	VAULT, PRECAST CONCRETE, 5' X 5' X 7'	1-175-020	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	6
	SHIELD, EXPANSION, 1/2"	1-010-890	6
	LUG, #42, TAP	1-075-050	6
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	6
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		
	MANHOLE, PRECAST CONCRETE, 5' X 10' X 7'		
MH05X10	VAULT, PRECAST CONCRETE, 5' X 10' X 7'	1-175-025	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	10
	SHIELD, EXPANSION, 1/2"	1-010-890	10
	LUG, #42, TAP	1-075-050	10
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	10
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		
	MANHOLE, PRECAST CONCRETE, 6' X 11' X 7'		
MH06X11	VAULT, PRECAST CONCRETE, FOR RMS- 8,9,11	1-175-028	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	10
	SHIELD, EXPANSION, 1/2"	1-010-890	10
	LUG, #42, TAP	1-325-230	10
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	10
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		

MANHOLES
PRECAST & SITE BUILT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JUNE 23, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

MANHOLES 1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	MANHOLE, PRECAST CONCRETE, 8' X 10' X 7'		
MH08X10	VAULT, PRECAST CONCRETE, 8' X 10' X 7'	1-175-022	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	10
	SHIELD, EXPANSION, 1/2"	1-010-890	10
	LUG, #42, TAP	1-075-050	10
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	10
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		
	MANHOLE, PRECAST CONC., 8' X 10' X 8' w/REMOVABLE COVERS		
MH08X10C	VAULT, PRECAST CONCRETE, w/REMOVABLE COVERS, 8' X 10' X 8'	1-175-023	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	10
	SHIELD, EXPANSION, 1/2"	1-010-890	10
	LUG, #42, TAP	1-075-050	10
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	10
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		
	MANHOLE, PRECAST CONCRETE, 9'-10" X 7'-10" X 6'-6"		
MH10X08	VAULT, PRECAST CONCRETE, 9'-10"	1-175-027	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	10
	SHIELD, EXPANSION, 1/2"	1-010-890	10
	LUG, #42, TAP	1-075-050	10
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	10
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		
	MANHOLE, PRECAST CONCRETE, 13'-8" X 8'-3" X 6'-6"		
MH14X08	VAULT, PRECAST CONCRETE, 13'-8" X 8'-3" X 6'-6"	1-175-026	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	12
	SHIELD, EXPANSION, 1/2"	1-010-890	12
	LUG, #42, TAP	1-075-050	12
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	12
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		

MANHOLES
PRECAST & SITE BUILT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JUNE 23, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

MANHOLES2

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	MANHOLE, PRECAST CONCRETE, 6' X 16' X 9' INSIDE		
MH06X16	VAULT, PRECAST CONCRETE, 6' x 16' x 9' INSIDE	1-175-024	1
	FITTING, 90 DEGREE FOR 1'-5/8" FLG., CHANNEL	1-025-280	12
	SHIELD, EXPANSION, 1/2"	1-010-890	12
	LUG, #42, TAP	1-075-050	12
	BOLT, STAINLESS STEEL, 1/2" X 2"	1-325-230	12
	MANHOLE, 30" CAST IRON H-20 "ELECTRIC"	1-175-430	1
	NOTE: SPECIFY DRIVEN GROUNDS SEPARATELY		

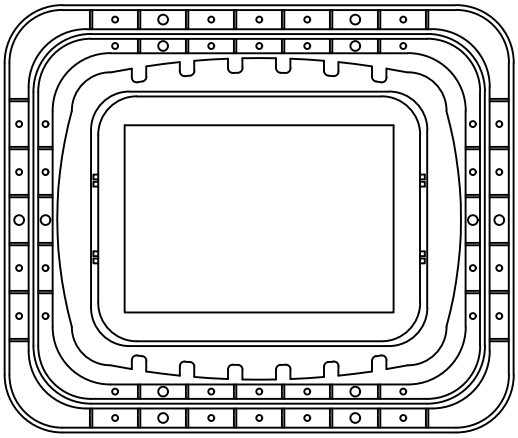
MANHOLES
PRECAST & SITE BUILT

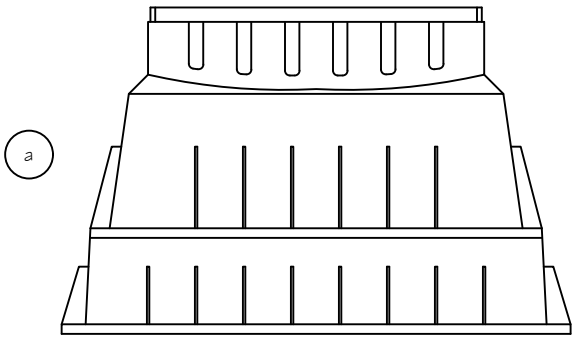
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: FEBRUARY 10, 2009
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

MANHOLES3





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	HH09X14 QUANTITY	HH14X18 QUANTITY	QUANTITY
a	HANDHOLE, POLYMER, 9" x 14" x 17"	1-162-089	1	-	
a	HANDHOLE, SECONDARY, POLYMER, w/COVER, 14" x 18" x 17"	1-115-045	-	1	

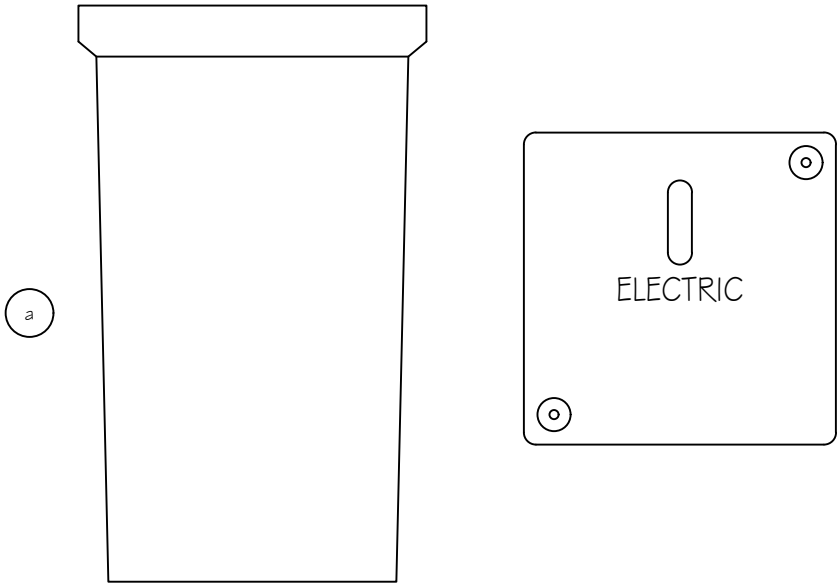
HANDHOLES, POLYMER
9" x 14" x 17"
and
14" x 18" x 17"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: MAY 7, 2008

ASSEMBLY ID.

HH09X14
HH14X18



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	HH12X12		
			QUANTITY	QUANTITY	QUANTITY
a	HANDHOLE, SIDEWALK, 12" x 12" x 24", w/COVER	1-162-086	1		

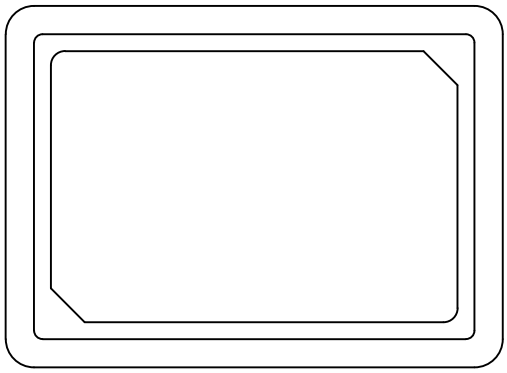
HANDHOLE 12" x 12" x 24" w/COVER FOR SIDEWALK INSTALLATIONS

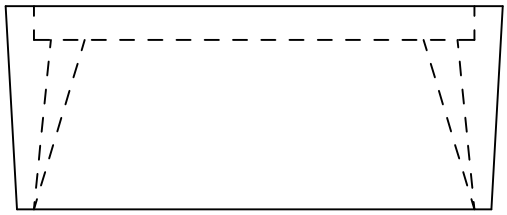
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

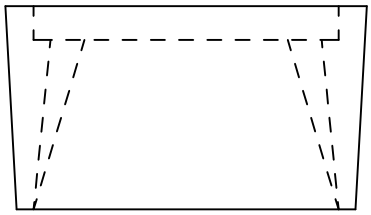
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

HH12X12







a

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	HH24X36		
			QUANTITY	QUANTITY	QUANTITY
a	HANDHOLE, 24" x 36", SIDEWALK, w/COVER	1-162-085	1		

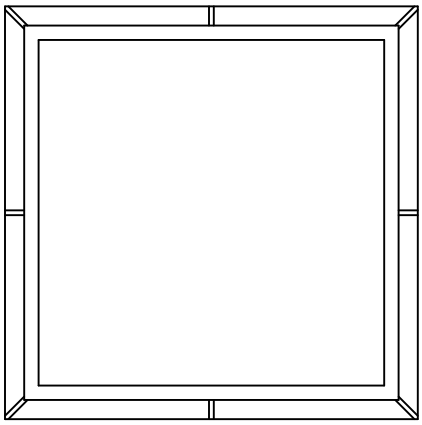
HANDHOLE, 24" x 36" x 18" w/COVER FOR SIDEWALK INSTALLATIONS

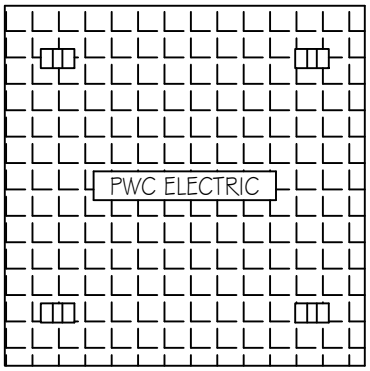
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

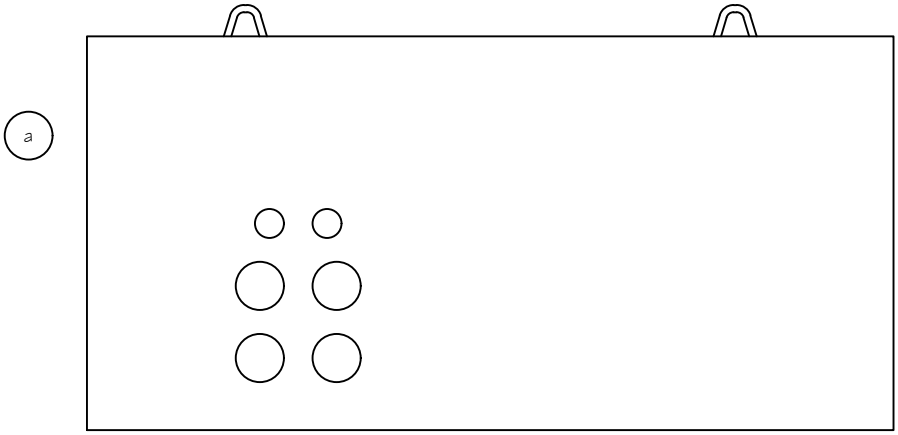
DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

HH24X36







(HAY STREET)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	HH48X72		
			QUANTITY	QUANTITY	QUANTITY
a	HANDHOLE, 48" x 72" x 44", SIDEWALK, w/SQUARE RING & COVER	1-162-087	1		

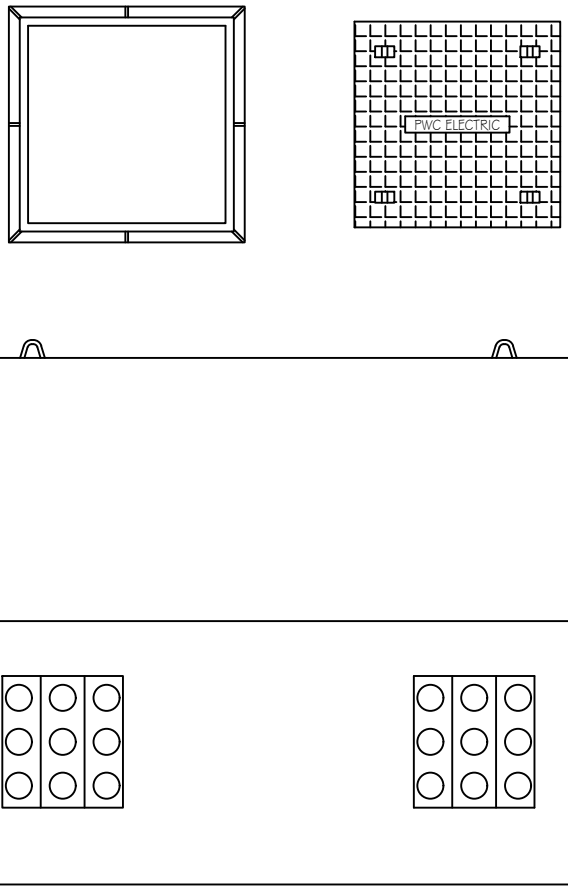
HANDHOLE 48" x 72" x 44" w/SQUARE RING & COVER FOR SIDEWALK INSTALLATIONS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

HH48X72



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	HH72X00 QUANTITY	QUANTITY	QUANTITY
a	HANDHOLE, 6' x 8.5' x 7', SIDEWALK, w/SQUARE RING & COVER	1-162-095	1		

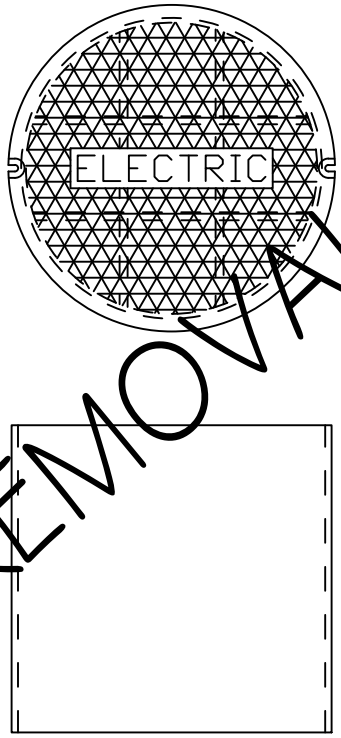
HANDHOLE 6' x 8.5' x 7' w/SQUARE RING & COVER FOR SIDEWALK INSTALLATIONS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D.GIBBS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

HH72X00



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	JB18X18 QUANTITY	QUANTITY	QUANTITY
a	VAULT, DURAPIPE, 18" x 18" w/ COVER	1-175-030	1		

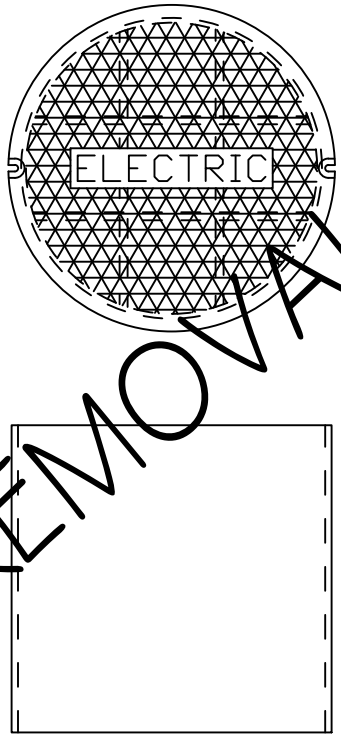
18" TUBULAR VAULTS
(JUNCTION BOXES)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: AUGUST 5, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

JB18X18



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	JB24X24	JB24X36	JB36X36
			QUANTITY	QUANTITY	QUANTITY
a	VAULT, TUBULAR, 24" x 24" w/ COVER	1-175-035	1	-	-
a	VAULT, TUBULAR, 24" x 36" w/ COVER	1-175-040	-	1	-
a	VAULT, TUBULAR, 36" x 36" w/ COVER	1-175-055	-	-	1

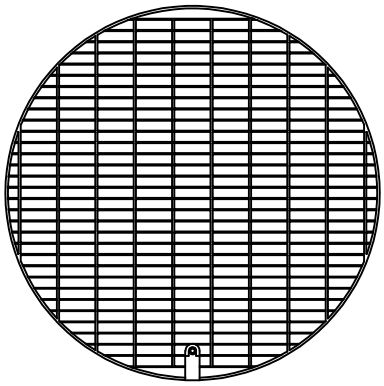
TUBULAR VAULTS (JUNCTION BOXES)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

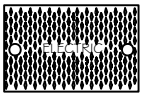
ASSEMBLY ID.
JB24X24
JB24X36
JB36X36

a



b

c



REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CVJBX36S	CV22X06S	CV09X14P
			QUANTITY	QUANTITY	QUANTITY
a	COVER, VAULT, GALV., STEEL GRID, 36"	1-175-057	1	-	-
b	COVER, STEEL, CABLE OPENINGS FOR PMS- 8,9,11	1-175-029	-	1	-
c	COVER, PEDESTAL BASE, 9" x 14"	1-115-039	-	-	1

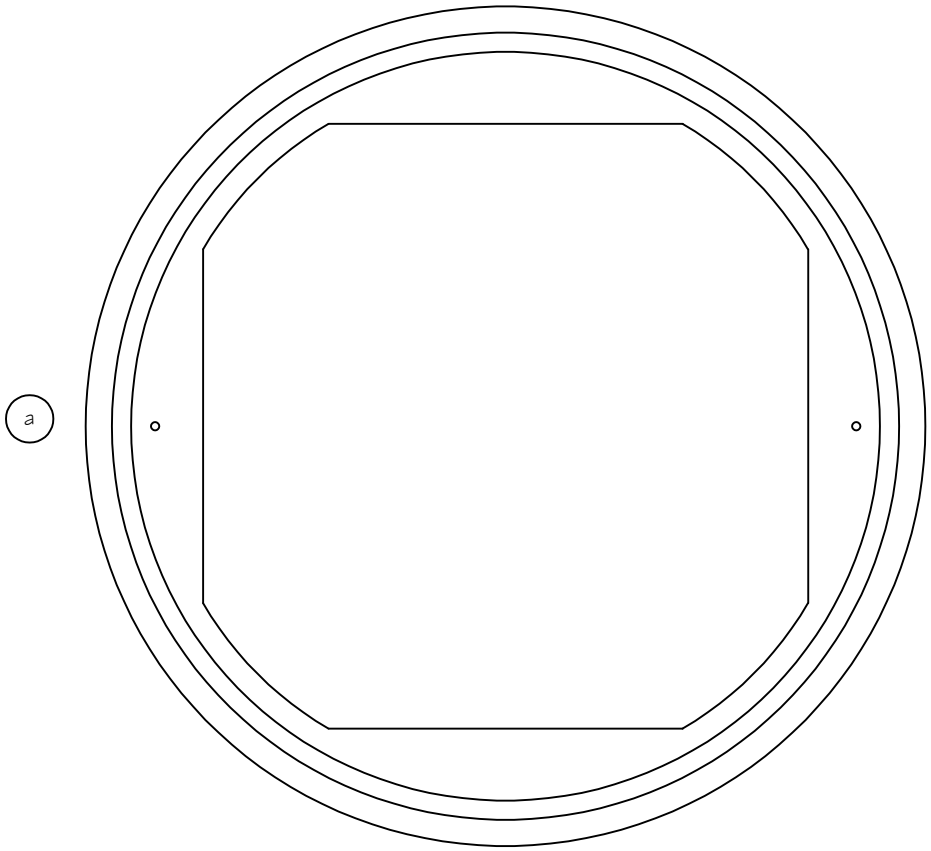
COVERS FOR SJE'S, JUNCTION BOXES AND PMH'S

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: MAY 6, 2008

ASSEMBLY ID.

CVJBX36S
CV22X06S
CV09X14P



NOTE:
THIS VAULT SHOULD BE USED TO PROTECT AND COVER DAMAGED TUBULAR VAULTS.

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CVJBX36V		
			QUANTITY	QUANTITY	QUANTITY
a	COVER, VAULT PROTECTIVE, 36"	1-175-200	1		

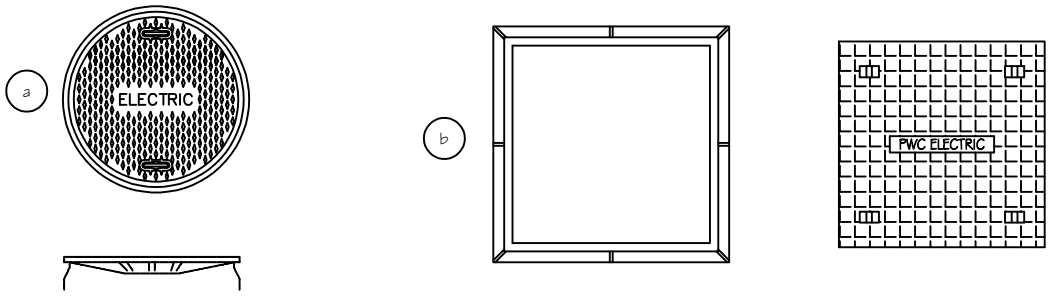
PROTECTIVE COVER FOR 36" VAULT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CVJBX36V



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CVMHX30C	CVMHX36CS	
			QUANTITY	QUANTITY	QUANTITY
a	COVER, MANHOLE, 30", CAST IRON, H20, ELECTRIC	1-175-430	1	-	
b	COVER, MANHOLE, 36" SQUARE, CAST IRON, H20 ELECTRIC	1-175-431	-	1	

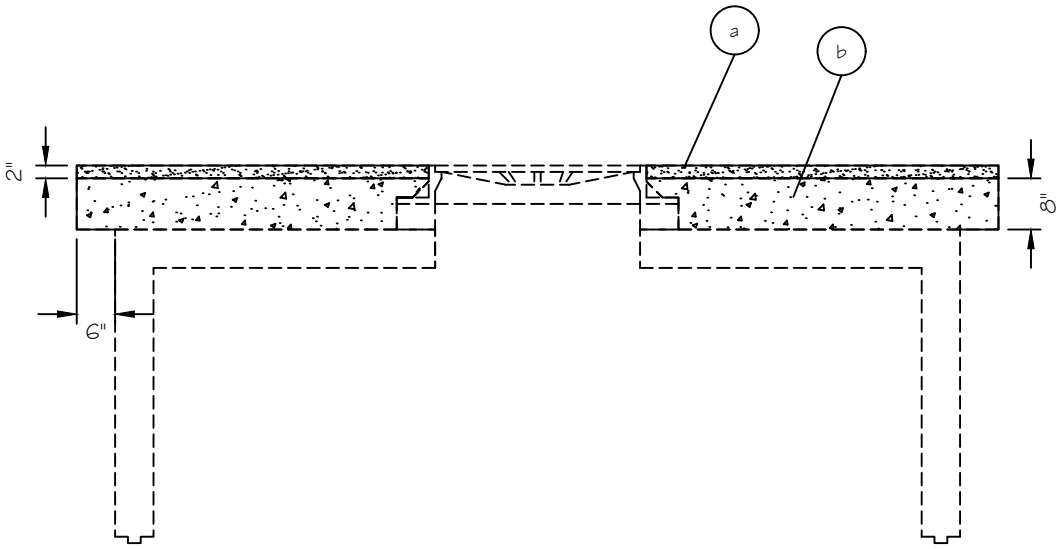
MANHOLE RINGS & COVERS 36" SQUARE & 30" ROUND

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: NOVEMBER 10, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CVMHX30C
CVMHX36CS



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	VLTCAP5	VLTCAP10	
			QUANTITY	QUANTITY	QUANTITY
a	ASPHALT VENEER, 2"	-	36 sq. ft.	72 sq. ft.	
b	CONCRETE, 3000#	-	1 cu. yd.	2 cu. yd.	

CONCRETE CAP w/ ASPHALT VENEER FOR VAULTS IN PAVEMENT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

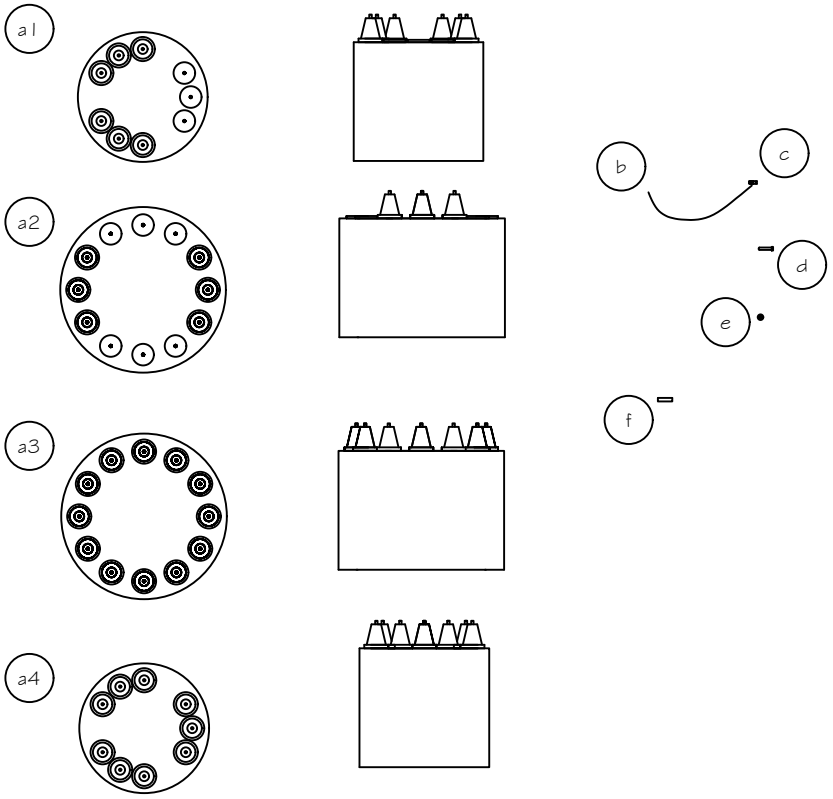
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

VLTCAP5
VLTCAP10

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SWITCHES - UNDERGROUND



- NOTE -
FOR VAULT INSTALLATION ONLY

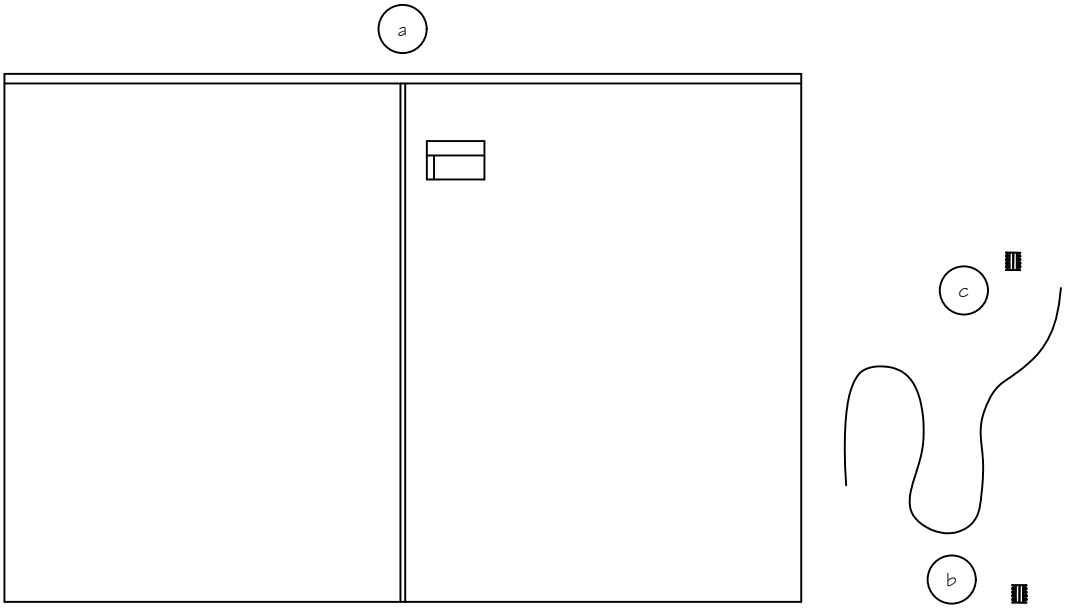
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWU063GC	SWU093GC	SWU103GC	SWU133GC
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a1	SWITCH, COMPACT SF6, TYPE 6	1-280-561	1	-	-	-
a2	SWITCH, COMPACT SF6, TYPE 9	1-280-440	-	1	-	-
a3	SWITCH, COMPACT SF6, TYPE 10	1-280-439	-	-	1	-
a4	SWITCH, COMPACT SF6, TYPE 13	1-280-560	-	-	-	1
b	CONDUCTOR, #2 AWG CU SOFT	1-065-025	12'	12'	12'	12'
c	CLAMP, GROUND ROD, #2 x 5/8" BRONZE	1-050-050	2	2	2	2
d	BOLT, STAINLESS STEEL, 1/2" x 3"	1-325-241	3	3	3	3
e	WASHER, FLAT, STAINLESS, 1/2"	1-325-703	3	3	3	3
f	SHIELD, EXPANSION, 1/2"	1-010-890	3	3	3	3

VAC - PAC STYLE
VACUUM SWITCHES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SWU063GC
SWU093GC
SWU103GC
SWU133GC



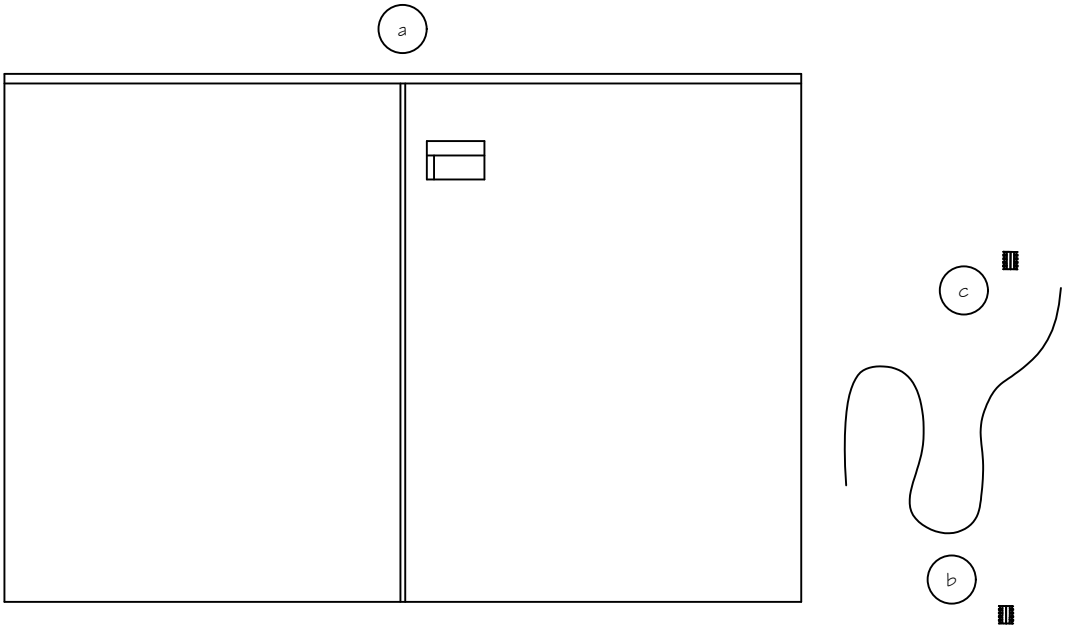
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWU053AP	SWU063AP	SWU083AP
			QUANTITY	QUANTITY	QUANTITY
a	SWITCHING CABINET, PADMOUNT, TYPE 5	1-283-010	1	-	-
a	SWITCHING CABINET, PADMOUNT, TYPE 6	1-283-020	-	1	-
a	SWITCHING CABINET, PADMOUNT, TYPE 8	1-283-030	-	-	1
b	CONDUCTOR, #2 AWG CU SOFT	1-065-025	24'	24'	24'
c	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	4	4	4

PADMOUNTED METALCLAD DISTRIBUTION SWITCHGEAR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SWU053AP
SWU063AP
SWU083AP



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWU093AF	SWU113AF	SWU123AF
			QUANTITY	QUANTITY	QUANTITY
a	SWITCHING CABINET, PADMOUNT, DEADFRONT, TYPE 9	1-283-042	1	-	-
a	SWITCHING CABINET, PADMOUNT, DEADFRONT, TYPE 11	1-283-052	-	1	-
a	SWITCHING CABINET, PADMOUNT, DEADFRONT, TYPE 12	1-283-065	-	-	1
b	CONDUCTOR, #2 AWG CU SOFT	1-065-025	24'	24'	24'
c	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	4	4	4

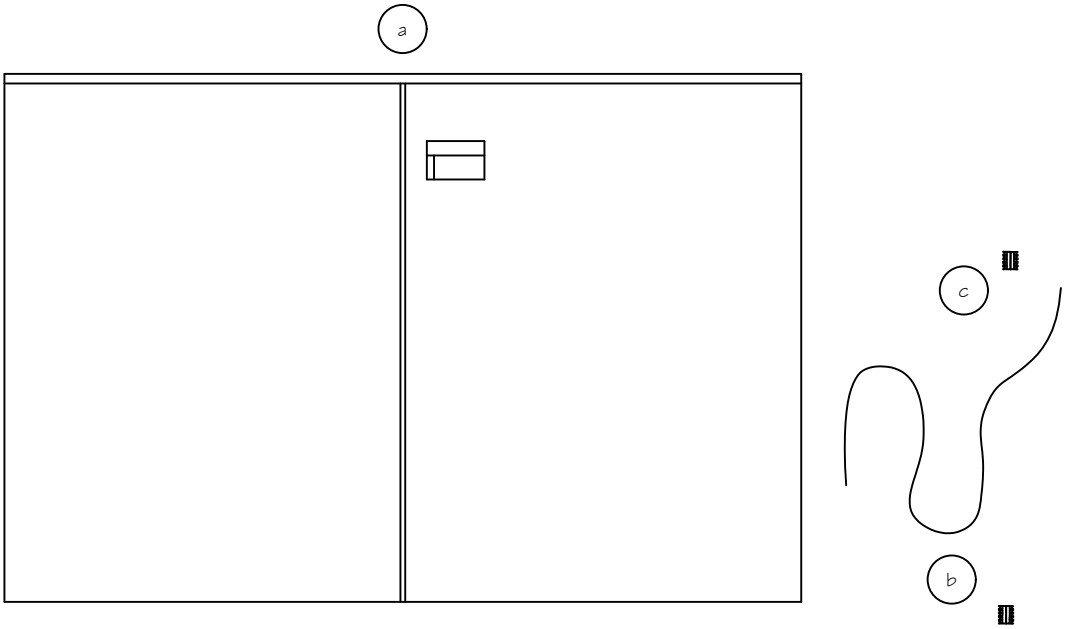
PADMOUNTED METALCLAD DISTRIBUTION SWITCHGEAR DEADFRONT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: FEBRUARY 25, 2013
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: October 30, 2014

ASSEMBLY ID.

SWU093AF
SWU113AF
SWU123AF



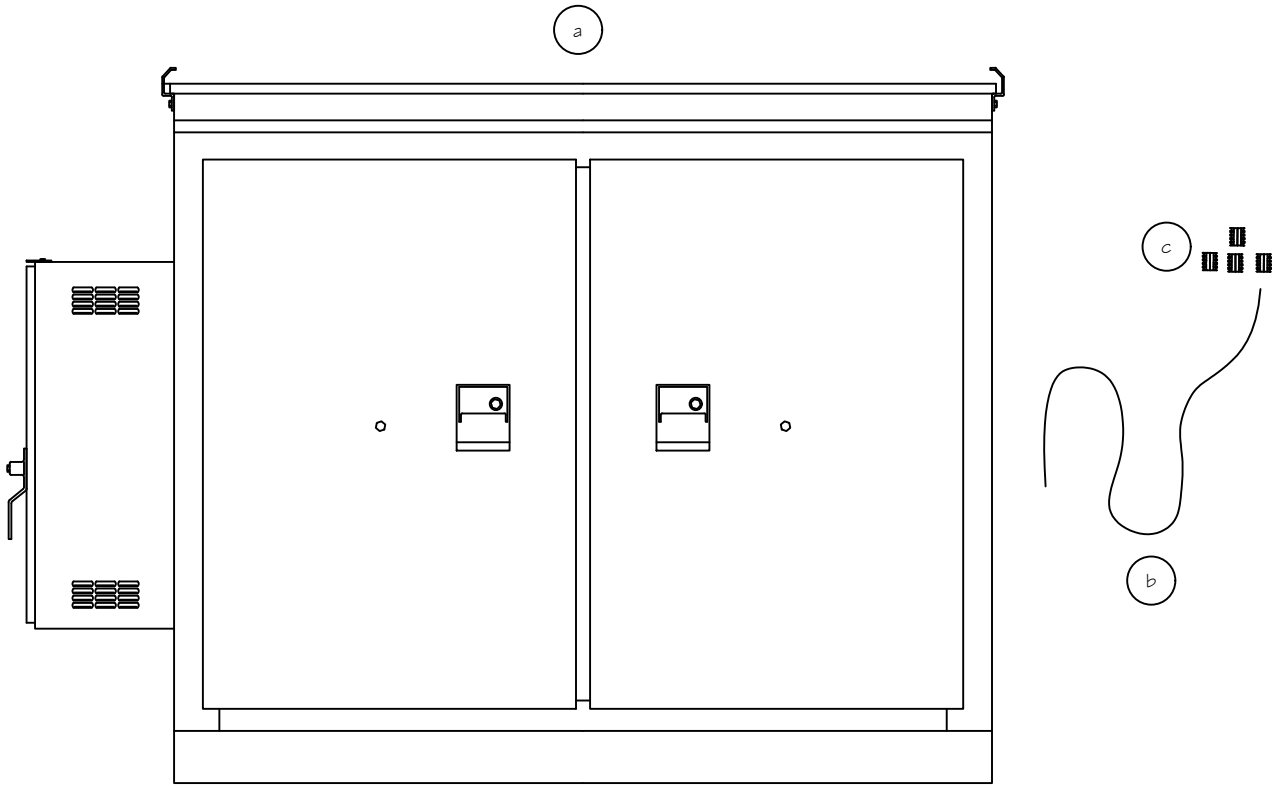
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWU093AP	SWU113AP	SWU123AP
			QUANTITY	QUANTITY	QUANTITY
a	SWITCHING CABINET, PADMOUNT, TYPE 9	1-283-040	1	-	-
a	SWITCHING CABINET, PADMOUNT, TYPE 11	1-283-050	-	1	-
a	SWITCHING CABINET, PADMOUNT, TYPE 12	1-283-060	-	-	1
b	CONDUCTOR, #2 AWG CU SOFT	1-065-025	24'	24'	24'
c	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	4	4	4

PADMOUNTED METALCLAD DISTRIBUTION SWITCHGEAR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SWU093AP
SWU113AP
SWU123AP



15kV ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWU093VT QUANTITY	QUANTITY	QUANTITY
a	SWITCHING CABINET, DEAD FRONT, PMH-9, 10 CYCLE TRANSFER	1-283-044	1		
b	CONDUCTOR, #2 AWG CU SOFT	1-065-025	24'		
c	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	4		

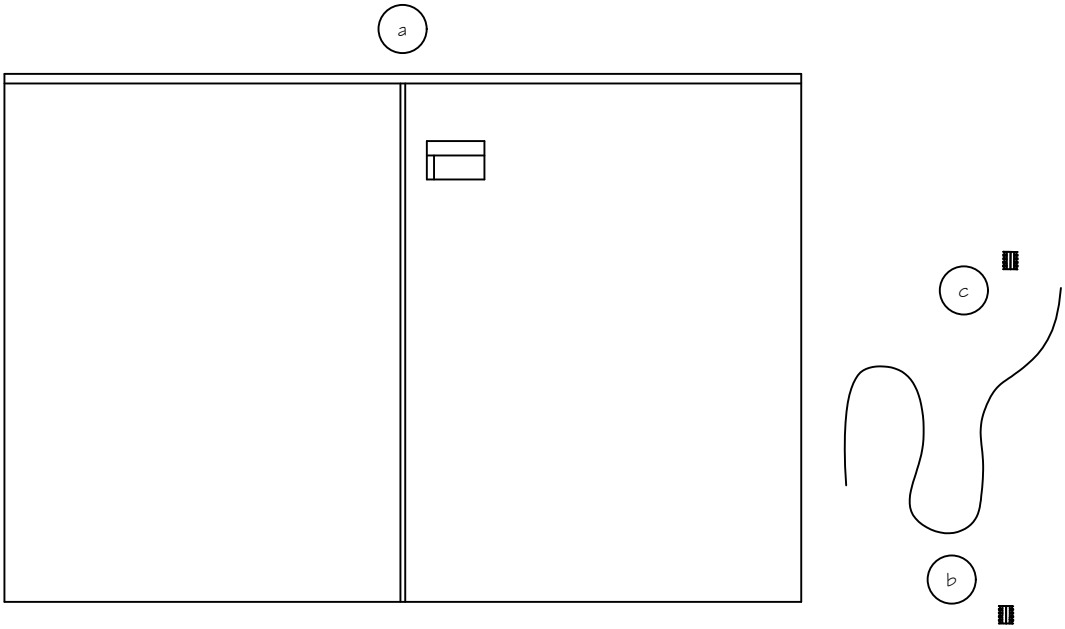
PADMOUNTED METALCLAD
DISTRIBUTION SWITCHGEAR
DEADFRONT FAST AUTO-TRANSFER
15kV ONLY

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: JEC	DATE: JULY 6, 2022
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SWU093VE



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWU093VT		
			QUANTITY	QUANTITY	QUANTITY
a	SWITCHING CABINET, PADMOUNT, VACUUM, DEADFRONT, AUTO-TRANSFER	1-283-067	1		
b	CONDUCTOR, #2 AWG CU SOFT	1-065-025	24'		
c	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	4		

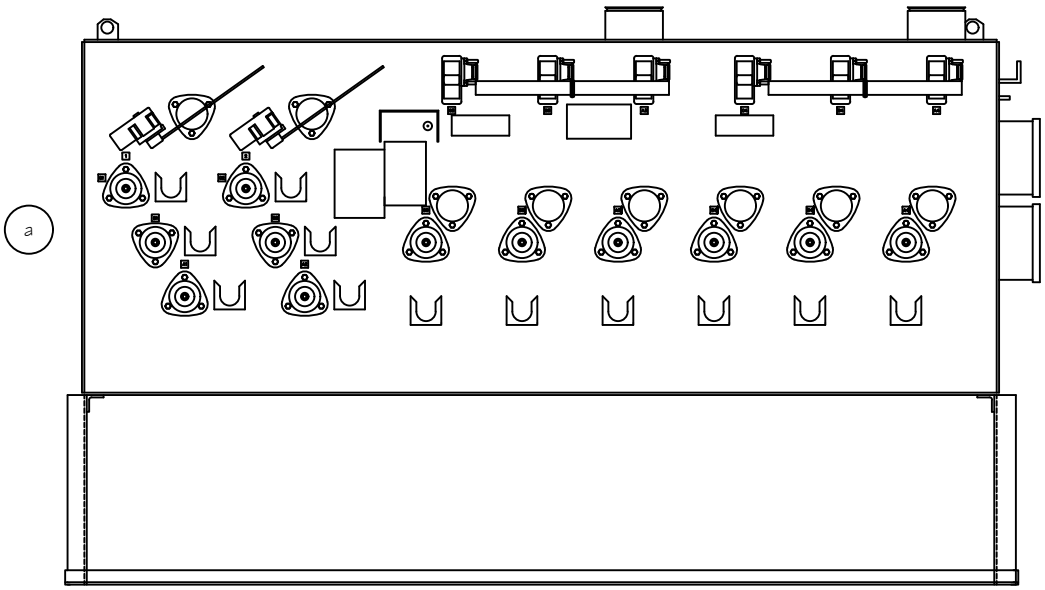
PADMOUNTED METALCLAD DISTRIBUTION SWITCHGEAR DEADFRONT AUTO-TRANSFER

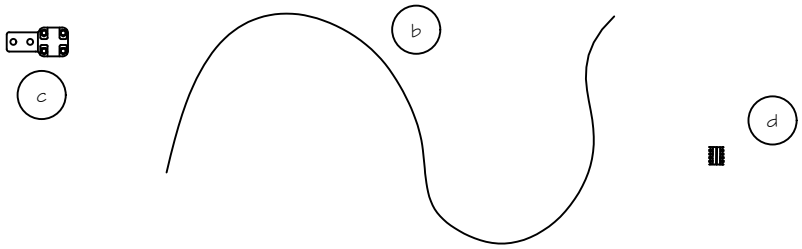
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: FEBRUARY 25, 2013
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SWU093VT





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SWU093GV QUANTITY	QUANTITY	QUANTITY
a	SWITCH, 25KV VAULT STYLE TYPE 9A	1-280-480	1		
b	CONDUCTOR, 2/0 AWG SOFT DRAWN CU	1-065-177	20'		
c	TERMINAL, BNZ, 2 HOLE SPADE, #4 - 250 MCM	1-075-040	2		
d	CONNECTOR, PRL. GRVE. COMP., #2/0 - #2 CU	1-075-312	2		

VAULT STYLE TYPE 9 SWITCH

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SWU093GV

EXCAVATION

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION -- 3' DEPTH, 6" WIDTH	
XVT306N	3' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT306T	3' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVT306S	3' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVT306R	3' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT306A	3' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT306C	3' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION -- 3' DEPTH, 18" WIDTH	
XVT318N	3' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT318T	3' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVT318S	3' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVT318R	3' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT318A	3' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT318C	3' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION -- 3' DEPTH, 2' WIDTH	
XVT3X2N	3' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT3X2T	3' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVT3X2S	3' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVT3X2R	3' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT3X2A	3' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT3X2C	3' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	8" CONCRETE TRAFFIC CAP & LEDGE OUT	
XVC806	TRAFFIC CAP & LEDGE CUT, 6" TRENCH	1'
XVC818	TRAFFIC CAP & LEDGE CUT, 18" TRENCH	1'
XVC824	TRAFFIC CAP & LEDGE CUT, 24" TRENCH	1'
	EXCAVATION -- MISCELLANEOUS	
XVTMISC	MISCELLANEOOUS TRENCHING LABOR	1 HOUR
XVPMISC	MISCELLANEOUS PAD/PEDESTAL LABOR	1 HOUR

EXCAVATION ASSEMBLIES
3' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV 1
TRENCH-3'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION, HAND DIG -- 4' DEPTH, 6" WIDTH	
XVT406N	4' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT406T	4' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVT406S	4' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVT406R	4' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT406A	4' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT406C	4' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 4' DEPTH, 18" WIDTH	
XVT418N	4' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT418T	4' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVT418S	4' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVT418R	4' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT418A	4' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT418C	4' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 4' DEPTH, 2' WIDTH	
XVT4X2N	4' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT4X2T	4' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVT4X2S	4' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVT4X2R	4' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT4X2A	4' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT4X2C	4' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
HAND DIGGING
4' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV2
HAND-4'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION, HAND DIG -- 5' DEPTH, 6" WIDTH	
XVT506N	5' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT506T	5' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVT506S	5' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVT506R	5' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT506A	5' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT506C	5' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 5' DEPTH, 18" WIDTH	
XVT518N	5' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT518T	5' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVT518S	5' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVT518R	5' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT518A	5' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT518C	5' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 5' DEPTH, 2' WIDTH	
XVT5X2N	5' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT5X2T	5' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVT5X2S	5' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVT5X2R	5' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT5X2A	5' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT5X2C	5' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
HAND DIGGING
5' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV3
HAND-5'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION, HAND DIG -- 3' DEPTH, 6" WIDTH	
XVH306N	3' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH306T	3' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVH306S	3' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVH306R	3' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH306A	3' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH306C	3' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 3' DEPTH, 18" WIDTH	
XVH318N	3' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH318T	3' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVH318S	3' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVH318R	3' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH318A	3' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH318C	3' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 3' DEPTH, 2' WIDTH	
XVH3X2N	3' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH3X2T	3' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVH3X2S	3' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVH3X2R	3' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH3X2A	3' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH3X2C	3' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
HAND DIGGING
3' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV4
HAND-3'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION, HAND DIG -- 4' DEPTH, 6" WIDTH	
XVH406N	4' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH406T	4' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVH406S	4' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVH406R	4' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH406A	4' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH406C	4' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 4' DEPTH, 18" WIDTH	
XVH418N	4' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH418T	4' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVH418S	4' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVH418R	4' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH418A	4' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH418C	4' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 4' DEPTH, 2' WIDTH	
XVH4X2N	4' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH4X2T	4' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVH4X2S	4' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVH4X2R	4' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH4X2A	4' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH4X2C	4' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
HAND DIGGING
4' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV5
HAND-4'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION, HAND DIG -- 5' DEPTH, 6" WIDTH	
XVH506N	5' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH506T	5' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVH506S	5' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVH506R	5' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH506A	5' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH506C	5' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 5' DEPTH, 18" WIDTH	
XVH518N	5' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH518T	5' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVH518S	5' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVH518R	5' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH518A	5' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH518C	5' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 5' DEPTH, 2' WIDTH	
XVH5X2N	5' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH5X2T	5' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVH5X2S	5' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVH5X2R	5' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVH5X2A	5' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH5X2C	5' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
HAND DIGGING
5' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV6
HAND-5'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	PAD/PEDESTAL EXCAVATION -- 3' DEPTH, 6" WIDTH	
XVP306N	3 DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP306T	3' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVP306S	3' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVP306R	3' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP306A	3' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP306C	3' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 3' DEPTH, 18" WIDTH	
XVP318N	3' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP318T	3' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVP318S	3' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVP318R	3' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP318A	3' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP318C	3' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 3' DEPTH, 2' WIDTH	
XVP3X2N	3' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP3X2T	3' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVP3X2S	3' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVP3X2R	3' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP3X2A	3' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP3X2C	3' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 3' DEPTH, 4' WIDTH	
XVP3X4N	3' DEPTH, 4' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP3X4T	3' DEPTH, 4' WIDTH, FILL & TAMP	1'
XVP3X4S	3' DEPTH, 4' WIDTH, FILL, TAMP & RESEED	1'
XVP3X4R	3' DEPTH, 4' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP3X4A	3' DEPTH, 4' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP3X4C	3' DEPTH, 4' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
PAD / PEDESTAL / BORING PIT
3' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV7
PIT-3'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	PAD/PEDESTAL EXCAVATION -- 4' DEPTH, 6" WIDTH	
XVP406N	4' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP406T	4' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVP406S	4' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVP406R	4' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP406A	4' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP406C	4' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 4' DEPTH, 18" WIDTH	
XVP418N	4' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP418T	4' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVP418S	4' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVP418R	4' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP418A	4' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP418C	4' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 4' DEPTH, 2' WIDTH	
XVP4X2N	4' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP4X2T	4' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVP4X2S	4' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVP4X2R	4' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP4X2A	4' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP4X2C	4' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 4' DEPTH, 4' WIDTH	
XVP4X4N	4' DEPTH, 4' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP4X4T	4' DEPTH, 4' WIDTH, FILL & TAMP	1'
XVP4X4S	4' DEPTH, 4' WIDTH, FILL, TAMP & RESEED	1'
XVP4X4R	4' DEPTH, 4' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP4X4A	4' DEPTH, 4' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP4X4C	4' DEPTH, 4' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
PAD / PEDESTAL / BORING PIT
4' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV8
PIT-3'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	PAD/PEDESTAL EXCAVATION -- 5' DEPTH, 6" WIDTH	
XVP506N	5' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP506T	5' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVP506S	5' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVP506R	5' DEPTH, 6" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP506A	5' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP506C	5' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 5' DEPTH, 18" WIDTH	
XVP518N	5' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP518T	5' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVP518S	5' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVP518R	5' DEPTH, 18" WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP518A	5' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP518C	5' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 5' DEPTH, 2' WIDTH	
XVP5X2N	5' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP5X2T	5' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVP5X2S	5' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVP5X2R	5' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP5X2A	5' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP5X2C	5' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	PAD/PEDESTAL EXCAVATION -- 5' DEPTH, 4' WIDTH	
XVP5X4N	5' DEPTH, 4' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVP5X4T	5' DEPTH, 4' WIDTH, FILL & TAMP	1'
XVP5X4S	5' DEPTH, 4' WIDTH, FILL, TAMP & RESEED	1'
XVP5X4R	5' DEPTH, 4' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVP5X4A	5' DEPTH, 4' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVP5X4C	5' DEPTH, 4' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
PAD / PEDESTAL / BORING PIT
5' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV9
PIT-5'

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	GUIDED BORING -- 3' DEPTH, VARIOUS DIAMETERS w/CONDUIT		
XVG3B2N	3' DEPTH, 2" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 2"	1-070-220	1'
XVG3B3N	3' DEPTH, 3" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 3" RIGID	1-070-052	1'
XVG3B4N	3' DEPTH, 4" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 4"	1-070-225	1'
XVG3B5N	3' DEPTH, 5" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 5" RIGID	1-070-060	1'
XVG3B6N	3' DEPTH, 6" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE, CONTINUOUS CONDUIT 6"	1-070-227	1'
	GUIDED BORING -- 4' DEPTH, VARIOUS DIAMETERS w/CONDUIT		
XVG4B2N	4' DEPTH, 2" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 2"	1-070-220	1'
XVG4B3N	4' DEPTH, 3" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 3" RIGID	1-070-052	1'
XVG4B4N	4' DEPTH, 4" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 4"	1-070-225	1'
XVG4B5N	4' DEPTH, 5" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 5" RIGID	1-070-060	1'
XVG4B6N	4' DEPTH, 6" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE, CONTINUOUS CONDUIT, 6"	1-070-227	1'
	GUIDED BORING -- 5' DEPTH, VARIOUS DIAMETERS w/CONDUIT		
XVG5B2N	5' DEPTH, 2" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 2"	1-070-220	1'
XVG5B3N	5' DEPTH, 3" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 3" RIGID	1-070-052	1'
XVG5B4N	5' DEPTH, 4" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 4"	1-070-225	1'
XVG5B5N	5' DEPTH, 5" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 5" RIGID	1-070-060	1'
XVG5B6N	5' DEPTH, 6" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE, CONTINUOUS CONDUIT, 6"	1-070-227	1'

EXCAVATION ASSEMBLIES
GUIDED BORING w/CONDUIT
VARIOUS DEPTHS & DIAMETERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE, N.C.

DRAWN BY: S. COLLINS	DATE: JANUARY 31, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV10
BORE

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	GUIDED BORING -- 4' DEPTH w/ 1-1/4" HDPE CONDUIT		
XVG4072	GUIDED BORE -- 4' DEPTH w/2 - 1-1/4" HDPE CONTINUOUS CONDUIT	1-070-230	1'
	GUIDED BORING -- 4' DEPTH w/ 2" HDPE CONDUIT		
XVG4021	GUIDED BORE -- 4' DEPTH w/1 - 2" HDPE CONTINUOUS CONDUIT	1-070-220	1'
XVG4022	GUIDED BORE -- 4' DEPTH w/2 - 2" HDPE CONTINUOUS CONDUITS	1-070-220	2'
XVG4023	GUIDED BORE -- 4' DEPTH w/3 - 2" HDPE CONTINUOUS CONDUITS	1-070-220	3'
XVG4024	GUIDED BORE -- 4' DEPTH w/4 - 2" HDPE CONTINUOUS CONDUITS	1-070-220	4'
XVG4025	GUIDED BORE -- 4' DEPTH w/5 - 2" HDPE CONTINUOUS CONDUITS	1-070-220	5'
XVG4026	GUIDED BORE -- 4' DEPTH w/6 - 2" HDPE CONTINUOUS CONDUITS	1-070-220	6'
	GUIDED BORING -- 4' DEPTH w/ 4" HDPE CONDUIT		
XVG4041	GUIDED BORE -- 4' DEPTH w/1 - 4" HDPE CONTINUOUS CONDUIT	1-070-225	1'
XVG4042	GUIDED BORE -- 4' DEPTH w/2 - 4" HDPE CONTINUOUS CONDUITS	1-070-225	2'
XVG4043	GUIDED BORE -- 4' DEPTH w/3 - 4" HDPE CONTINUOUS CONDUITS	1-070-225	3'
XVG4044	GUIDED BORE -- 4' DEPTH w/4 - 4" HDPE CONTINUOUS CONDUITS	1-070-225	4'
	GUIDED BORING -- 4' DEPTH, w/ 6" HDPE CONDUIT		
XVG4061	GUIDED BORE -- 4' DEPTH w/1 - 6" HDPE CONTINUOUS CONDUIT	1-070-227	1'
XVG4062	GUIDED BORE -- 4' DEPTH w/2 - 6" HDPE CONTINUOUS CONDUITS	1-070-227	2'

EXCAVATION ASSEMBLIES GUIDED BORE w/MULTIPLE HDPE CONDUITS, VARIOUS DIAMETERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: W.R.W.	DATE: JANUARY 22, 2002
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV11 BORE

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	BORING -- 3' DEPTH, VARIOUS DIAMETERS w/CONDUIT		
XVB3B2N	3' DEPTH, 2" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 2"	1-070-220	1'
XVB3B3N	3' DEPTH, 3" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 3" RIGID	1-070-052	1'
XVB3B4N	3' DEPTH, 4" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 4"	1-070-225	1'
XVB3B5N	3' DEPTH, 5" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 5" RIGID	1-070-060	1'
XVB3B6N	3' DEPTH, 6" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 6" RIGID	1-070-062	1'
	BORING -- 4' DEPTH, VARIOUS DIAMETERS w/CONDUIT		
XVB4B2N	4' DEPTH, 2" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 2"	1-070-220	1'
XVB4B3N	4' DEPTH, 3" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 3" RIGID	1-070-052	1'
XVB4B4N	4' DEPTH, 4" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 4"	1-070-225	1'
XVB4B5N	4' DEPTH, 5" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 5" RIGID	1-070-060	1'
XVB4B6N	4' DEPTH, 6" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 6" RIGID	1-070-062	1'
	BORING -- 5' DEPTH, VARIOUS DIAMETERS w/CONDUIT		
XVB5B2N	5' DEPTH, 2" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 2"	1-070-220	1'
XVB5B3N	5' DEPTH, 3" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 3" RIGID	1-070-052	1'
XVB5B4N	5' DEPTH, 4" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	HDPE CONTINUOUS CONDUIT, 4"	1-070-225	1'
XVB5B5N	5' DEPTH, 5" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 5" RIGID	1-070-060	1'
XVB5B6N	5' DEPTH, 6" DIAMETER BORE, NO SPECIAL REQUIREMENTS	-	1'
	PVC CONDUIT, 6" RIGID	1-070-062	1'

EXCAVATION ASSEMBLIES
BORING w/CONDUIT
VARIOUS DEPTHS & DIAMETERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE, N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV12
BORE

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION -- 6' DEPTH, 6" WIDTH	
XVT606N	6' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT606T	6' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVT606S	6' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVT606R	6' DEPTH, 6" WIDTH, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVT606A	6' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT606C	6' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION -- 6' DEPTH, 18" WIDTH	
XVT618N	6' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT618T	6' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVT618S	6' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVT618R	6' DEPTH, 18" WIDTH, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVT618A	6' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT618R	6' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION -- 6' DEPTH, 2' WIDTH	
XVT6X2N	6' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT6X2T	6' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVT6X2S	6' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVT6X2R	6' DEPTH, 2' WIDTH, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVT6X2A	6' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT6X2R	6' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
6' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
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ASSEMBLY ID.

EXCAV13
TRENCH-6'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION, HAND DIG -- 6' DEPTH, 6" WIDTH	
XVH606N	6' DEPTH, 6" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH606T	6' DEPTH, 6" WIDTH, FILL & TAMP	1'
XVH606S	6' DEPTH, 6" WIDTH, FILL, TAMP & RESEED	1'
XVH606R	6' DEPTH, 6" WIDTH, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVH606A	6' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH606C	6' DEPTH, 6" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 6' DEPTH, 18" WIDTH	
XVH618N	6' DEPTH, 18" WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH618T	6' DEPTH, 18" WIDTH, FILL & TAMP	1'
XVH618S	6' DEPTH, 18" WIDTH, FILL, TAMP & RESEED	1'
XVH618R	6' DEPTH, 18" WIDTH, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVH618A	6' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH618R	6' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'
	TRENCH EXCAVATION, HAND DIG -- 6' DEPTH, 2' WIDTH	
XVH6X2N	6' DEPTH, 6' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVH6X2T	6' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVH6X2S	6' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVH6X2R	6' DEPTH, 2' WIDTH, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVH6X2A	6' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVH6X2R	6' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
HAND DIGGING
6' DEPTH, VARIOUS WIDTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
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ASSEMBLY ID.

EXCAV14
HAND-6'

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	EXCAVATION FOR 5 X 3 VAULT	
XVV5X3N	5 X 3 VAULT, NO SPECIAL REQUIREMENTS	1'
XVV5X3T	5 X 3 VAULT, FILL & TAMP	1'
XVV5X3S	5 X 3 VAULT, FILL, TAMP & RESEED	1'
XVV5X3R	5 X 3 VAULT, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVV5X3A	5 X 3 VAULT, FILL, TAMP, REPAVE w/ASPHALT	1'
XVV5X3C	5 X 3 VAULT, FILL, TAMP, REPAVE w/CONCRETE	1'
	EXCAVATION FOR 5 X 5 VAULT	
XVV5X5N	5 X 5 VAULT, NO SPECIAL REQUIREMENTS	1'
XVV5X5T	5 X 5 VAULT, FILL & TAMP	1'
XVV5X5S	5 X 5 VAULT, FILL, TAMP & RESEED	1'
XVV5X5R	5 X 5 VAULT, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVV5X5A	5 X 5 VAULT, FILL, TAMP, REPAVE w/ASPHALT	1'
XVV5X5R	5 X 5 VAULT, FILL, TAMP, REPAVE w/CONCRETE	1'
	EXCAVATION FOR 5 X 7 VAULT	
XVV5X7N	5 X 7 VAULT, NO SPECIAL REQUIREMENTS	1'
XVV5X7T	5 X 7 VAULT, FILL & TAMP	1'
XVV5X7S	5 X 7 VAULT, FILL, TAMP & RESEED	1'
XVV5X7R	5 X 7 VAULT, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVV5X7A	5 X 7 VAULT, FILL, TAMP, REPAVE w/ASPHALT	1'
XVV5X7R	5 X 7 VAULT, FILL, TAMP, REPAVE w/CONCRETE	1'
	EXCAVATION FOR 5 X 10 VAULT	
XVV510N	5 X 10 VAULT, NO SPECIAL REQUIREMENTS	1'
XVV510T	5 X 10 VAULT, FILL & TAMP	1'
XVV510S	5 X 10 VAULT, FILL, TAMP & RESEED	1'
XVV510R	5 X 10 VAULT, BACKFILL w/CRUSHER RUN, REPAVE w/ASPHALT	1'
XVV510A	5 X 10 VAULT, FILL, TAMP, REPAVE w/ASPHALT	1'
XVV510R	5 X 10 VAULT, FILL, TAMP, REPAVE w/CONCRETE	1'

EXCAVATION ASSEMBLIES
VAULTS
VARIOUS DEPTHS & SIZES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV15
VAULTS

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	TRENCH EXCAVATION -- 4' DEPTH, VARIOUS WIDTHS	
XVT418F	4' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE & ASPHALT	1'
XVT4X2F	4' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE & ASPHALT	1'
	TRENCH EXCAVATION -- 5' DEPTH, VARIOUS WIDTHS	
XVT518F	5' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE & ASPHALT	1'
XVT5X2F	5' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE & ASPHALT	1'
	TRENCH EXCAVATION -- 6' DEPTH, VARIOUS WIDTHS	
XVT618F	6' DEPTH, 18" WIDTH, FILL, TAMP, REPAVE w/CONCRETE & ASPHALT	1'
XVT6X2F	6' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE & ASPHALT	1'

TRENCH CAP ASSEMBLIES VARIOUS WIDTHS & DEPTHS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 10, 2006

ASSEMBLY ID.

EXCAV16
TCAP

ASSEMBLY ID.	ASSEMBLY DESCRIPTION	QUANTITY
	ADDITIONAL 1' DEEP, 2' WIDTH TRENCH EXCAVATION FOR COMMUNICATION ON TOP OF ELECTRIC DUCT BANK	
XVT1X2N	1' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS, (EXTRA EXCAVATION ONLY)	1'
	TRENCH EXCAVATION -- 2' DEPTH, 2' WIDTH -- FOR COMMUNICATION SERVICE LATERALS ONLY	
XVT2X2N	2' DEPTH, 2' WIDTH, NO SPECIAL REQUIREMENTS	1'
XVT2X2T	2' DEPTH, 2' WIDTH, FILL & TAMP	1'
XVT2X2S	2' DEPTH, 2' WIDTH, FILL, TAMP & RESEED	1'
XVT2X2R	2' DEPTH, 2' WIDTH, BACKFILL w/CRUSH & RUN, REPAVE w/ASPHALT	1'
XVT2X2A	2' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/ASPHALT	1'
XVT2X2C	2' DEPTH, 2' WIDTH, FILL, TAMP, REPAVE w/CONCRETE	1'

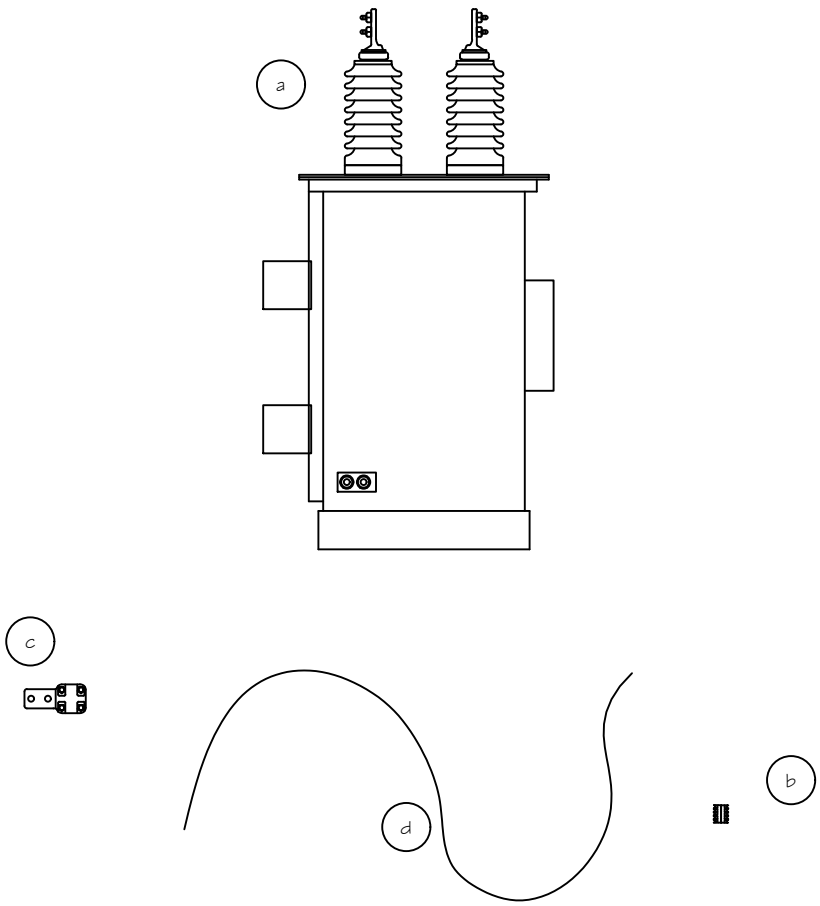
EXCAVATION ASSEMBLIES
1' & 2' DEPTHS, VARIOUS WIDTHS
FIBER OPTICS / COMMUNICATIONS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE, N.C.

DRAWN BY: WRW3	DATE: JUNE 1, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	

ASSEMBLY ID.
EXCAV17
TRENCH-2'
FO-COM

METERING



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	MVCT325		
			QUANTITY	QUANTITY	QUANTITY
a	TRANSFORMER, THREE PHASE METERING, 300A	1-295-940	1		
b	CONNECTOR, PRL. GRVE. COMP., #2/0 - #2 CU	1-075-312	1		
c	TERMINAL, BRONZE, 2-HOLE, SPADE #4 SOL-250 MCM BC	1-075-040	1		
d	CONDUCTOR, #2/0 BARE CU, SOFT (Note: Item is not part of material issued)	1-065-170	4'		

METERING TRANSFORMER 25KV, 300 AMP, 3 PHASE PT/CT COMBINATION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: D. ANDRESS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 21, 2013

ASSEMBLY ID.

MVCT325

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PADMOUNTED, LOOP FEED, DEADFRONT, NLB, PRIMARY METERING ENCLOSURE		
ENCPRIMTR600A	ENCLOSURE, LF, DF, PRIMARY METERING, 25KV, 600A	1-115-255	1
	PADMOUNTED, LOOP FEED, DEADFRONT, LB, PRIMARY METERING ENCLOSURE		
ENCPRIMTR200A	ENCLOSURE, LF, DF, PRIMARY METERING, 25KV, 200A	1-115-250	1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	SECONDARY METERING ENCLOSURES		
ENCSECMTR16	ENCLOSURE, SECONDARY METERING, 1600A	1-115-190	1
ENCSECMTR25	ENCLOSURE, SECONDARY METERING, 2500A	1-115-200	1
ENCSECMTR40	ENCLOSURE, SECONDARY METERING, 4000A	1-115-205	1
	NOTES:		
	1. SPECIFY ENCLOSURE FOUNDATION & GROUNDING		
	2. SPECIFY CURRENT TRANSFORMERS AS REQUIRED		

SECONDARY METERING ENCLOSURES 1600A, 2500A & 4000A

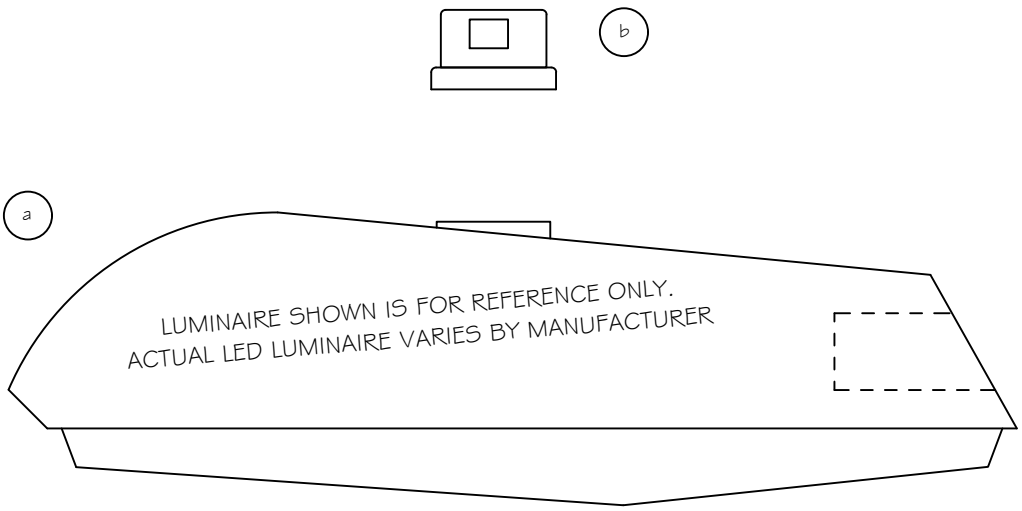
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE, N.C.

DRAWN BY: WRW3	DATE: NOVEMBER 14, 2005
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

SECONDARY METERING ENCLOSURES

LIGHTING



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L47E2M1P	L47E3M1P	
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE II, 47 WATT	1-165-290	1	-	
a	LUMINAIRE, LED, ROADWAY, TYPE III, 47 WATT	1-165-293	-	1	
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277 V, GREEN	1-250-005	1	1	

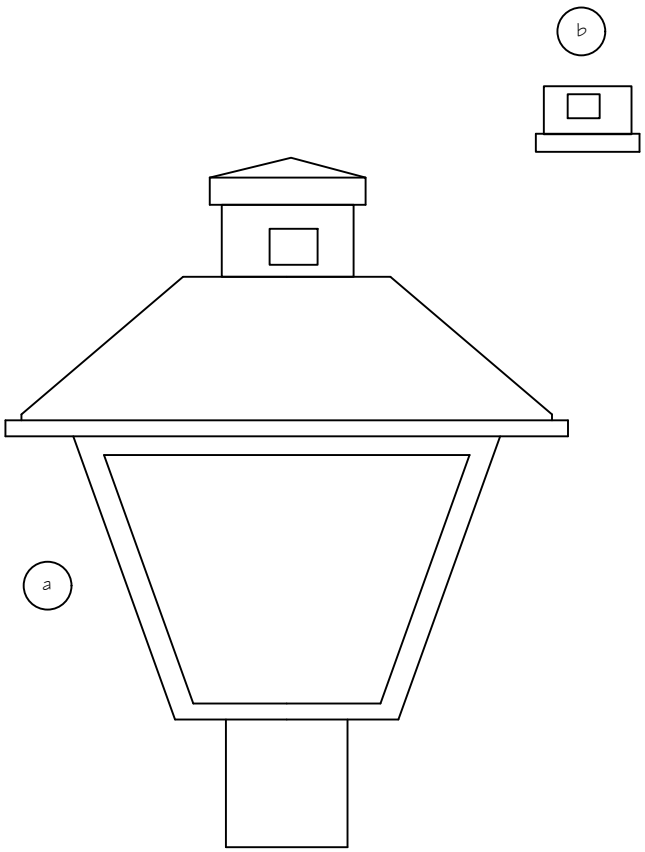
LED ROADWAY LUMINAIRE
47 Watt (TYPE II and TYPE III)
MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: OCTOBER 23, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L47E2M1P
L47E3M1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L50ED12P		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, DECORATIVE COACH 50w, TYPE V	1-165-195	1		
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277V, GREEN	1-250-005	1		

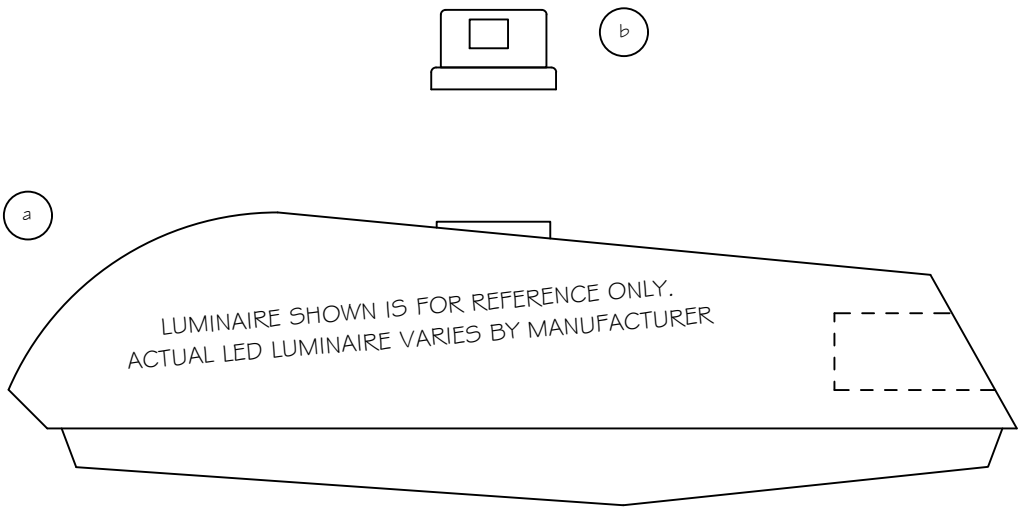
50 WATT LED TYPE V DECORATIVE COACH 120 VOLT w/PHOTOCONTROL

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: June 3, 2019
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L50ED12P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L57EJM1P		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE IV DISTRIBUTION, BLACK, 57 WATT	1-165-257	1		
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277 V, GREEN	1-250-005	1		

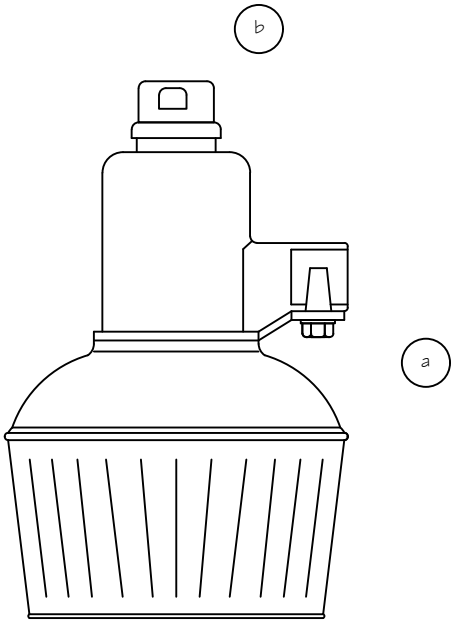
LED ROADWAY BLACK LUMINAIRE
57 Watt, Type IV, MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MAY 5, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L57EJM1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L60E5M1P		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, AREA, TYPE V DISTRIBUTION, 60W	1-165-150	1		
a	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3-WIRE, 120-277 V, GREEN	1-250-005	1		

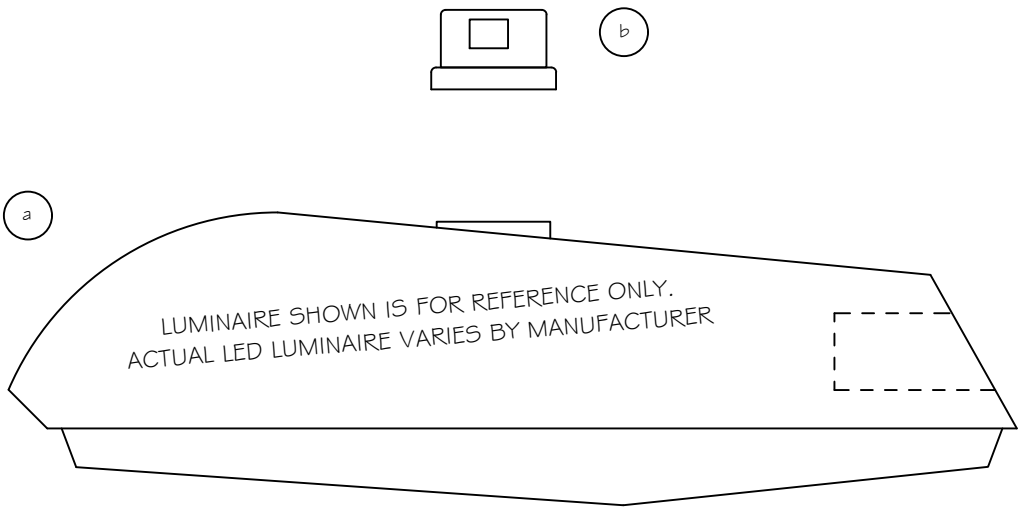
60W LED, TYPE V, MULTI-VOLT AREA LIGHT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: SEPTEMBER 17, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L60E5M1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L64E4M1P		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE IV, 64 WATT	1-165-295	1		
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277 V, GREEN	1-250-005	1		

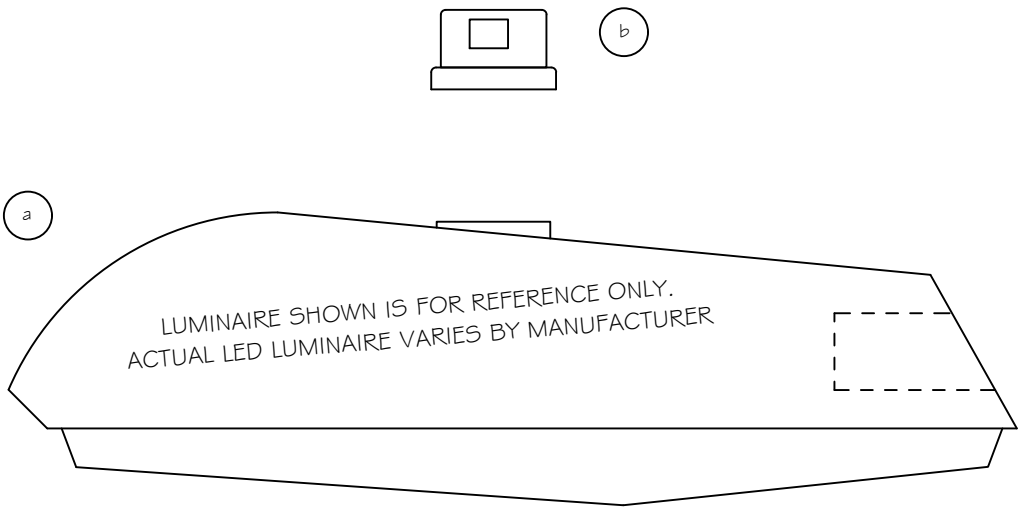
LED ROADWAY LUMINAIRE
64 Watt (TYPE IV)
MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: OCTOBER 23, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L64E4M1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L67E2M1P	L67E3M1P	
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE II, M-VOLT, 67 WATT	1-165-280	1	-	
a	LUMINAIRE, LED, ROADWAY, TYPE III, M-VOLT, 67 WATT	1-165-283	-	1	
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277 V, GREEN	1-250-005	1	1	

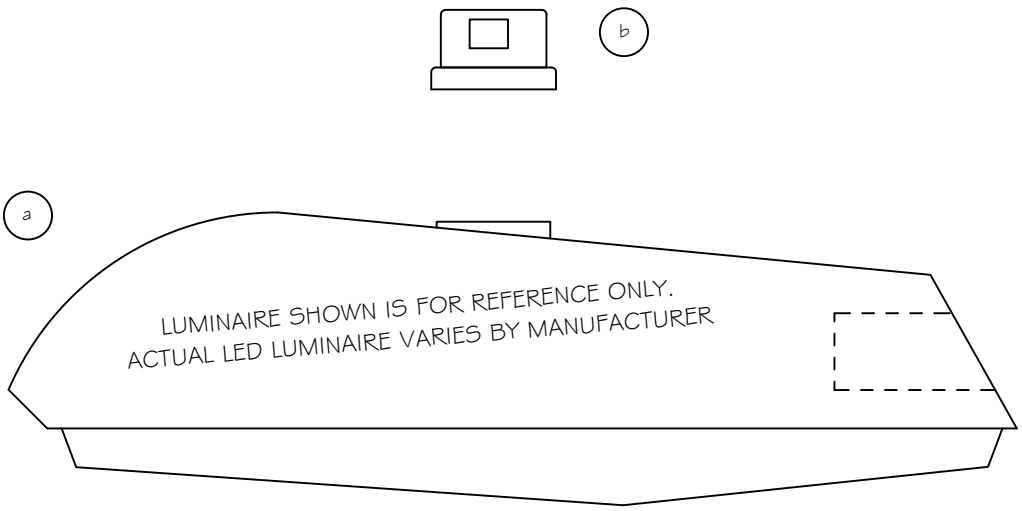
LED ROADWAY LUMINAIRE
67 Watt (TYPE II and TYPE III)
MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MARCH 26, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: MAY 5, 2014

ASSEMBLY ID.

L67E2M1P
L67E3M1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L67EHM1P		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE II, WIDE DISTRIBUTION, BLACK, 67 WATT	1-165-255	1		
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277 V, GREEN	1-250-005	1		

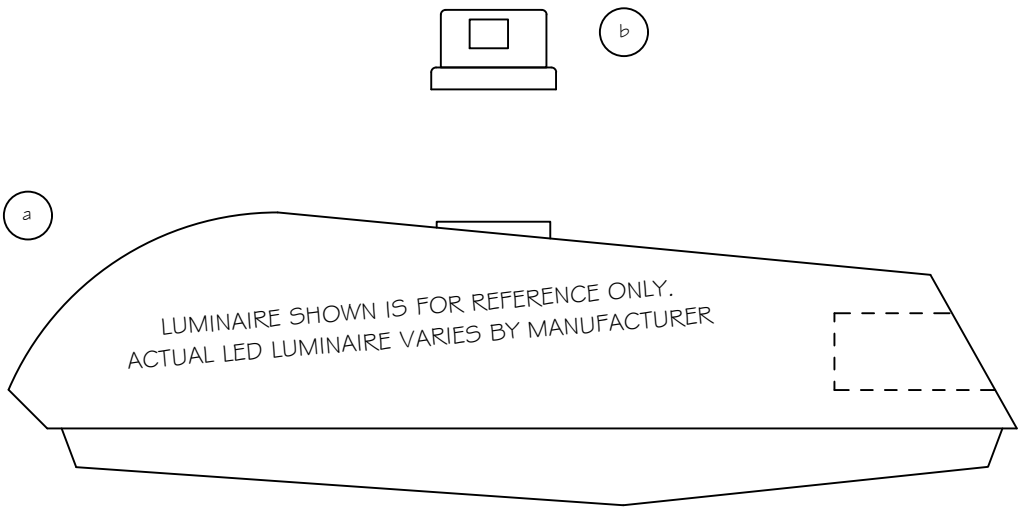
LED ROADWAY BLACK LUMINAIRE
67 Watt, Type II,
MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MAY 5, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L67EHM1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L73EBM1P		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE III DISTRIBUTION, BLACK, 73 WATT	1-165-256	1		
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277 V, GREEN	1-250-005	1		

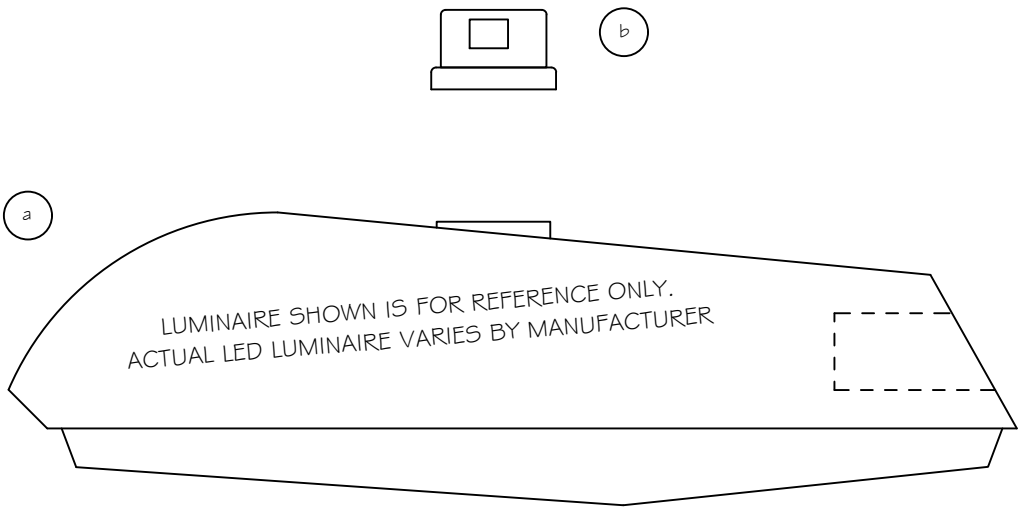
LED ROADWAY BLACK LUMINAIRE
73 Watt, Type III,
MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MAY 5, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L73EBM1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L92E4M1P		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE IV, M-VOLT, 92 WATT	1-165-285	1		
b	PHOTO CONTROL, LONG LIFE, ELECTRONIC, 3 WIRE, 120-277 V, GREEN	1-250-005	1		

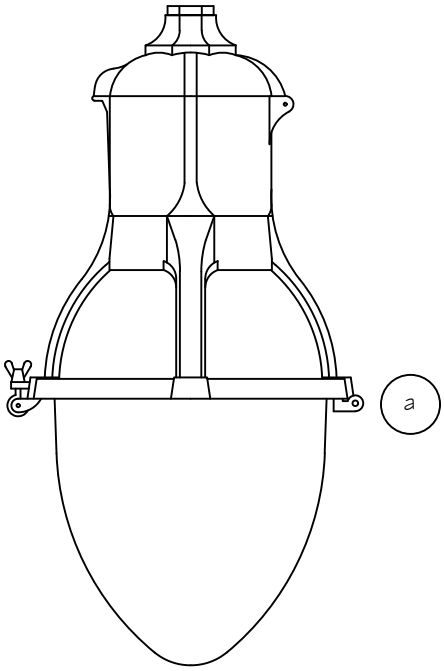
LED ROADWAY LUMINAIRE
92 Watt (TYPE IV)
MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MARCH 26, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L92E4M1P



(STREETSCAPE AREA ONLY)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L130ETM1N		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, TEARDROP, 130 W LED, MULTI-VOLT, TYPE III	1-165-201	1		

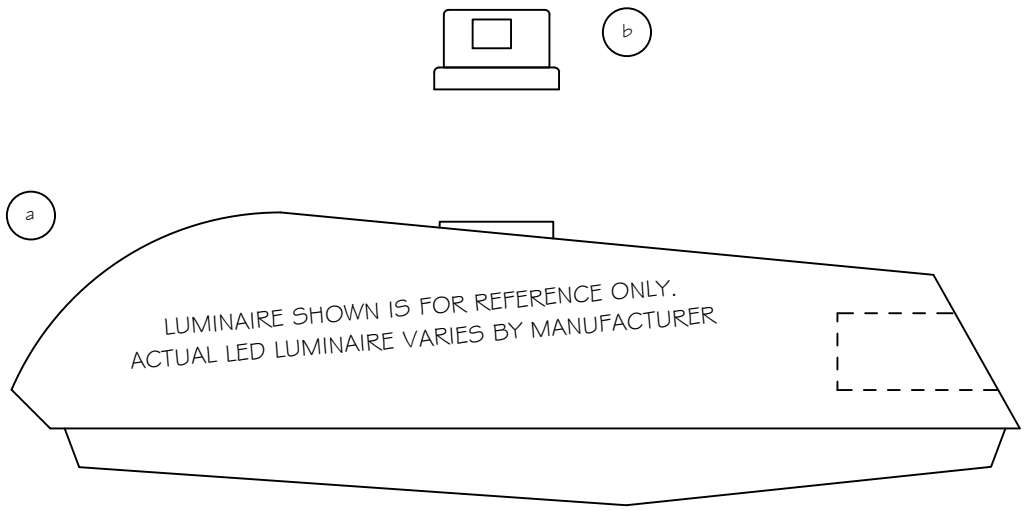
130 WATT LED (TYPE III)
TEARDROP
MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: FEBRUARY 18, 2022
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L130ETM1N



PHOTOMETRIC CURVE: # NOT DETERMINED
INITIAL LUMENS: 8700

PHOTOMETRIC CURVE: # NOT DETERMINED
INITIAL LUMENS: 14000

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	L08E2M1P	L14E2M1P	
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, ROADWAY, TYPE II, M-VOLT, MED. DIST., 8700 LUMENS	1-165-101	1	-	
a	LUMINAIRE, LED, ROADWAY, TYPE II, M-VOLT, MED. DIST., 14000 LUMENS	1-165-103	-	1	
b	PHOTO CONTROL, ELECTRONIC, 3 PRONG, 105-285 V	1-250-013	1	1	

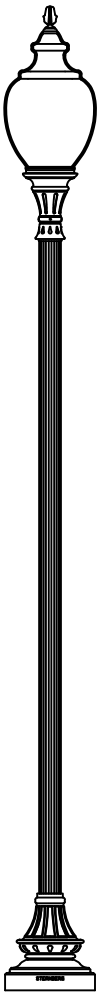
LED ROADWAY LUMINAIRES
8700 and 14000 Lumen (TYPE 11)
MEDIUM DIST., MULTI-VOLT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JANUARY 20, 2012
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

L08E2M1P
L14E2M1P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LP60EDSNGL		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, SINGLE, 60W LED, DECORATIVE POLE	1-165-210	1		

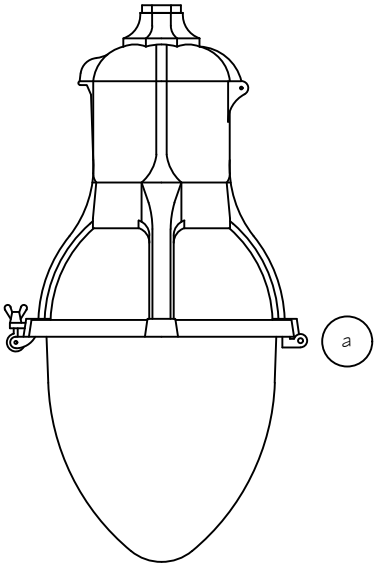
LUMINAIRE WITH DECORATIVE POLE SINGLE, 60w LED (STERNBERG)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: MARCH 25, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

LP60EDSNGL



(STREETSCAPE AREA ONLY)

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LI1ETM1N		
			QUANTITY	QUANTITY	QUANTITY
a	LUMINAIRE, LED, DECORATIVE TEARDROP, TYPE III, MV, 10898 LUMEN	1-165-200	1		

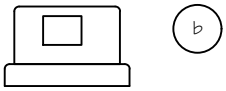
LED DECORATIVE (TYPE III)
TEARDROP 10898 LUMEN
MULTI-VOLT

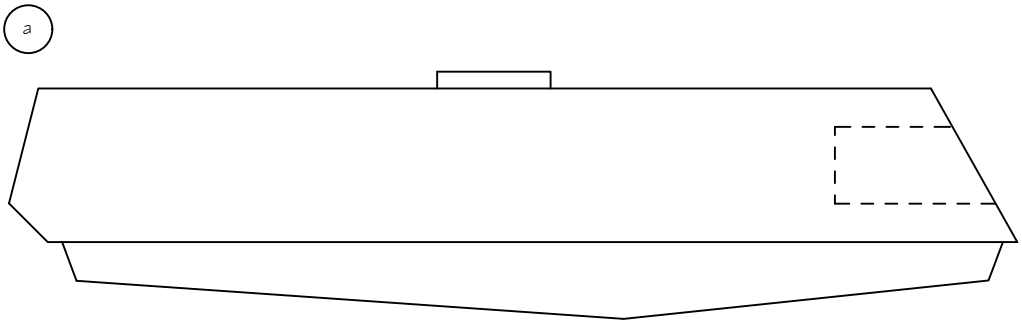
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: AUGUST 22, 2013
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

LI1ETM1N





----NOTE----

Due to the extreme differences of LED Luminaires associated with the PWC PILOT PROJECT this generic CU has been created. All Luminaires associated with PILOT PROJECT are: American Electric(LEDAL2 & LEDAL4), Cooper(LEDCOOPER2 & LEDCOOPER4), Cree(LEDCREE2 & LEDCREE4), General Electric(LEDGE2 & LEDGE4) & Leotek(LEDLEOTEK2 & LEDLEOTEK3).

This drawing is for PILOT PROJECT ONLY.

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	as req'd QUANTITY	QUANTITY	QUANTITY
a	LED LUMINAIRE	as req'd	1		
b	PHOTO CONTROL, ELECTRONIC, 3 PRONG, 105-285V	1-250-013	1		
c	Label, Type II LED Roadway	as req'd	1		
c	Label, Type III LED Roadway	as req'd	1		
c	Label, Type IV LED Roadway	as req'd	1		

LED LUMINAIRE
(American Electric, Cooper, Cree, General Electric & Leotek)
for PILOT PROJECT

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MARCH 10, 2013
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
LEDLIGHT
(as req'd)

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	HIGH PRESSURE SODIUM (HPS) LAMPS		
L050S	LAMP, 50w SODIUM FOR REMOVAL ONLY	1-165-482	1
L100S	LAMP, 100w SODIUM	1-165-485	1
L150S	LAMP, 150w SODIUM FOR REMOVAL ONLY	1-165-492	1
L250S	LAMP, 250w SODIUM	1-165-495	1
L400S	LAMP, 400w SODIUM	1-165-510	1
L10XS	LAMP, 1000w HPS, ANSI S52	1-165-515	1
	HIGH PRESSURE SODIUM RETROFIT LAMPS (HPS)		
L150R	LAMP, 150w SODIUM RETROFIT FOR REMOVAL ONLY	1-165-490	1
L360R	LAMP, 360w SODIUM RETROFIT	1-165-505	1
	MERCURY VAPOR LAMPS (Hg)		
L175MV	LAMP, 175w MERCURY VAPOR FOR REMOVAL ONLY	1-165-550	1
L400MV	LAMP, 400w MERCURY VAPOR	1-165-560	1
	METAL HALIDE LAMPS (MH)		
L400MH	LAMP, 400w METAL HALIDE	1-165-570	1
L10XMH	LAMP, 1000w METAL HALIDE, ANSI M47	1-165-575	1
	LED RETROFIT LAMPS (LED) (1st Installation Only)		
L70ER3K	LED RETROFIT LAMP, 70w, 3000K	1-165-221	1
L40ER3K	LED RETROFIT LAMP, 40w, 3000K	1-165-222	1

REPLACEMENT LAMPS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 23, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: November 10, 2017

ASSEMBLY ID.

LAMPS 1

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	FLOODLIGHT BRACKET, 20" x 2" (for Wood Poles)		
BL020PF	BRACKET, FLOODLIGHT, 20" x 2" w/FLANGE	1-025-165	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 3/8" x 3"	1-325-910	2
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	FLOODLIGHT BRACKET, 18" ALUMINUM (Fbg/Conc. Poles)		
BL018KX	BRACKET, FLOODLIGHT, ALUMINUM POLE	1-025-166	1
	BOLT, MACHINE, 5/8" x 7" w/NUT	1-325-165	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, LOCK, 5/8"	1-325-740	2
	FLOODLIGHT BRACKET, 18" TENON TYPE, BLACK (Fbg/Conc. Poles)		
BL018RX	BRACKET, FLOODLIGHT, TENON TYPE, BLACK	1-025-167	1
	BOLT, MACHINE, 5/8" x 7" w/NUT	1-325-165	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, LOCK, 5/8"	1-325-740	2
	FLOODLIGHT BRACKET, DOUBLE POLE TOP (Fbg/Conc. Poles)		
BLX36S8	BRACKET, DOUBLE TENON, 2"	1-025-168	1
	ADAPTER, TENON/TRUNNION, 2 3/8"	1-005-710	2

Public Works Commission
Fayetteville, NC

Electric Systems Engineering

LIGHTING BRACKETS for FLOODLIGHTS

Compatible Unit ID.

LIGHTING BRACKETS PAGE 1

File Name: Lgtbktspg1

DRAWN BY: WRW3	DATE: July 15, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	REVISED: n/a

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	LIGHTING BRACKET, 30" x 1-1/4" (for Wood Poles)		
BL030P5	BRACKET, LIGHTING, 30" x 1-1/4"	1-025-150	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 3/8" x 3"	1-325-910	2
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	6'
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, 48" x 1-1/4" (for Wood Poles)		
BL048P5	BRACKET, LIGHTING, 48" x 1-1/4"	1-025-090	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 3/8" x 3"	1-325-910	2
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	7'
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, 12' x 1-1/4" (for Wood Poles)		
BL144P5	BRACKET, LIGHTING, 12' x 1-1/4"	1-025-125	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 1/2" x 4"	1-325-145	2
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	17'
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, 16' x 1-1/4" (for Wood Poles)		
BL192P5	BRACKET, LIGHTING, 16' x 1-1/4"	1-025-140	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 1/2" x 4"	1-325-145	2
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	20'
	CONDUCTOR, #4 BARE CU	1-065-040	4'

REMOVAL OR TRANSFER ONLY

Public Works Commission
Fayetteville, NC

Electric Systems Engineering

LIGHTING BRACKETS for WOOD POLES 1-1/4" DIAMETER

Compatible Unit ID.

LIGHTING BRACKETS PAGE 2

File Name: Lgtbktspg2

DRAWN BY: WRW3	DATE: July 16, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	REVISED: n/a

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	LIGHTING BRACKET, 6' x 2' x 2" (for Wood Poles)		
BL072P8	BRACKET, LIGHTING, WOOD POLE, 6' x 2' x 2""	1-025-100	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 1/2" x 4"	1-325-145	2
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	11'
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, 10' x 2' x 2" (for Wood Poles)		
BL120P8	BRACKET, LIGHTING, WOOD POLE, 10' x 2' x 2""	1-025-120	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 1/2" x 4"	1-325-145	2
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	15'
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, 12' x 2' x 2" (for Wood Poles)		
BL144P8	BRACKET, LIGHTING, WOOD POLE, 12' x 2' x 2""	1-025-130	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 1/2" x 4"	1-325-145	4
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	17'
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, 18' x 4' x 2" (for Wood Poles)		
BL216P8	BRACKET, LIGHTING, WOOD POLE, 18' x 4' x 2""	1-025-135	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	1
	WASHER, SQUARE, CURVED, 3"	1-325-760	1
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	1
	SCREW, LAG, 1/2" x 4"	1-325-145	4
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	20'
	CONDUCTOR, #4 BARE CU	1-065-040	2'

REMOVAL OR TRANSFER ONLY

Public Works Commission
Fayetteville, NC

Electric Systems Engineering

LIGHTING BRACKETS for WOOD POLES 2" DIAMETER

Compatible Unit ID.

LIGHTING BRACKETS PAGE 3

File Name: Lgtbktspg3

DRAWN BY: WRW3	DATE: July 17, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	REVISED: n/a

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	LIGHTING BRACKET, 8' x 5' x 2" (for Wood Poles)		
BL096P8	BRACKET, UPSWEEP, LIGHTING, WOOD POLE, 8' x 5' x 2""	1-025-110	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	2
	SCREW, LAG, 1/2" x 4"	1-325-145	4
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	13'
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, 15' x 5' x 2" (for Wood Poles)		
BL180P8	BRACKET, UPSWEEP, LIGHTING, WOOD POLE, 15' x 5' x 2""	1-025-137	1
	BOLT, MACHINE, 5/8" x 12" w/NUT	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPLIT-RING, LOCK, 5/8"	1-325-733	2
	SCREW, LAG, 1/2" x 4"	1-325-145	4
	CONNECTOR, PRL. GRVE., COMP., #2 - #2 CU	1-075-314	1
	CABLE, MULTI-USE TRIPLEX, #10 CU	1-065-575	20'
	CONDUCTOR, #4 BARE CU	1-065-040	2'

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	LIGHTING BRACKET, TAPERED, 30" x 2"		
BL030T8	BRACKET, LUMINAIRE, TAPERED, 30"'	1-025-104	1
	BOLT, MACHINE, 5/8" x 7" w/NUT	1-325-165	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, LOCK, 5/8"	1-325-740	2
	LIGHTING BRACKET, TAPERED, 6' x 2' x 2"		
BL072T8	BRACKET, LUMINAIRE, TAPERED, 6" x 2' x 2"'	1-025-105	1
	BOLT, MACHINE, 5/8" x 7" w/NUT	1-325-165	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, LOCK, 5/8"	1-325-740	2
	LIGHTING BRACKET, TAPERED, 6' x 2' x 2", BLACK		
BL072B8	BRACKET, LUMINAIRE, TAPERED, 6" x 2' x 2", BLACK	1-025-108	1
	BOLT, MACHINE, 5/8" x 7" w/NUT	1-325-165	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, LOCK, 5/8"	1-325-740	2
	LIGHTING BRACKET, TAPERED, 12' x 2' x 2"		
BL144T8	BRACKET, LUMINAIRE, TAPERED, 12" x 2' x 2"	1-025-103	1
	BOLT, MACHINE, 5/8" x 7" w/NUT	1-325-165	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, LOCK, 5/8"	1-325-740	2
	LIGHTING BRACKET, 18" x 2", SLIPFITTER		
BL018S8	BRACKET, LIGHTING, 18" x 2"	1-025-155	1

REMOVAL OR TRANSFER ONLY

Public Works Commission
Fayetteville, NC

Electric Systems Engineering

LIGHTING BRACKETS for FIBERGLASS/CONCRETE POLES TAPERED and/or SLIPFITTER

Compatible Unit ID.

LIGHTING BRACKETS PAGE 5

File Name: Lgtbktspg5

DRAWN BY: WRW3	DATE: July 17, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	REVISED: n/a

COMPATIBLE UNIT	COMPATIBLE UNIT / MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	LIGHTING BRACKET, for TEARDROP LUMINAIRE 6' x 2' x 2", BLACK		
BLX72C8	BRACKET, TEARDROP LUMINAIRE, CONCRETE POLE, BLACK, 6' x 2' x 2"	1-025-152	1
	DOUBLE, BRACKET, for TEARDROP LUMINAIRE 6' x 2' x 2", BLACK		
BLD72C8	BRACKET, DOUBLE, TEARDROP LUMINAIRE, CONCRETE POLE, BLACK, 6' x 2' x 2"	1-025-153	1
	LIGHTING BRACKET for ACORN PEDESTRIAN LUMINAIRE		
BLX17AX	BRACKET, POLE MOUNT, ACORN LIGHT	1-165-400	2
	BOLT, MACHINE, 5/8" x 12"	1-325-180	2
	WASHER, SPRING LOCK, 5/8"	1-325-740	2
	LIGHTING BRACKET, FLAT SURFACE, 4' x 2' x 2" (Bolted Mounting)		
BL048F8A	BRACKET, LIGHTING, FLAT SURFACE, 4" x 2' x 2"	1-025-103	1
	BOLT, MACHINE, 5/8" x 7" w/NUT	1-325-165	5
	CONNECTOR, PRL., GRVE., COMP., #2 - #2 CU	1-075-310	1
	WASHER, SPLIT RING, LOCK, 5/8"	1-325-740	5
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	LIGHTING BRACKET, FLAT SURFACE, 4' x 2' x 2" (Lag Screw Mounting)		
BL048F8B	BRACKET, LIGHTING, FLAT SURFACE, 4" x 2' x 2"	1-025-103	1
	SCREW, LAG, 1/2" x 4"	1-325-145	5
	CONNECTOR, PRL., GRVE., COMP., #2 - #2 CU	1-075-310	1
	CONDUCTOR, #4 BARE CU	1-065-040	2'
	BACKING PLATE for FLAT SURFACE LIGHTING BRACKET		
BACKPL1	PLATE, BACKING, FOR 4' FLAT SURFACE BRACKET	1-025-087	1

Public Works Commission
Fayetteville, NC

Electric Systems Engineering

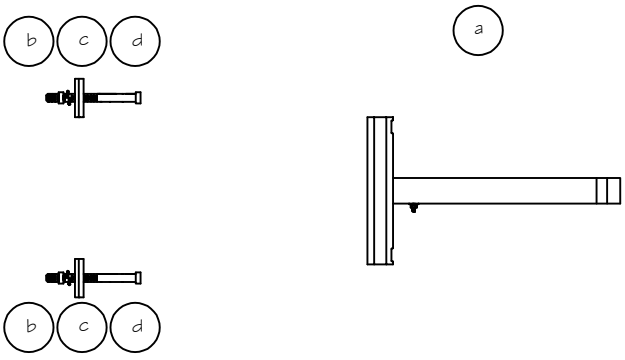
LIGHTING BRACKETS DECORATIVE TEARDROP, DECORATIVE ACORN or FLAT-SURFACE MOUNTING

Compatible Unit ID.

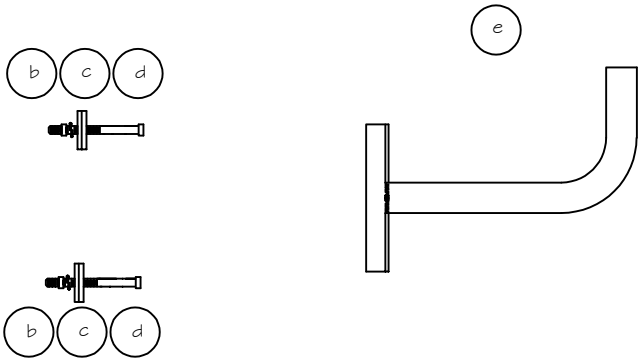
LIGHTING BRACKETS PAGE 6

File Name: Lgtbktspg6

DRAWN BY: WRW3	DATE: July 17, 2009
CHECKED BY: WRW3	SCALE: NONE
APPROVED BY: WRW3	REVISED: n/a



BL018KX



BL018RX

ALUMINUM BRACKET

BLACK BRACKET

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL018KX QUANTITY	BL018RX QUANTITY	QUANTITY
a	BRACKET, FLOODLIGHT, ALUMINUM POLE	1-025-166	1	-	
b	BOLT, MACHINE, 5/8" x 7", w/ NUT	1-325-165	2	2	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
d	WASHER, LOCK, 5/8"	1-325-740	2	2	
e	BRACKET, FLOODLIGHT, TENON TYPE, BLACK	1-025-167	-	1	

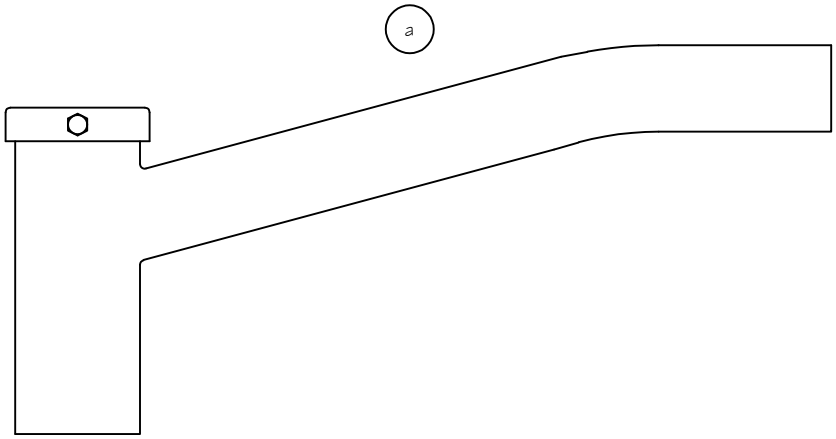
FLOODLIGHT BRACKET, 18"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW III	DATE: APRIL 28, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 06, 2006

ASSEMBLY ID.

BL018KX
BL018RX



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL01858 QUANTITY	QUANTITY	QUANTITY
a	BRACKET, LIGHTING, 18" x 2"	1-025-155	1		

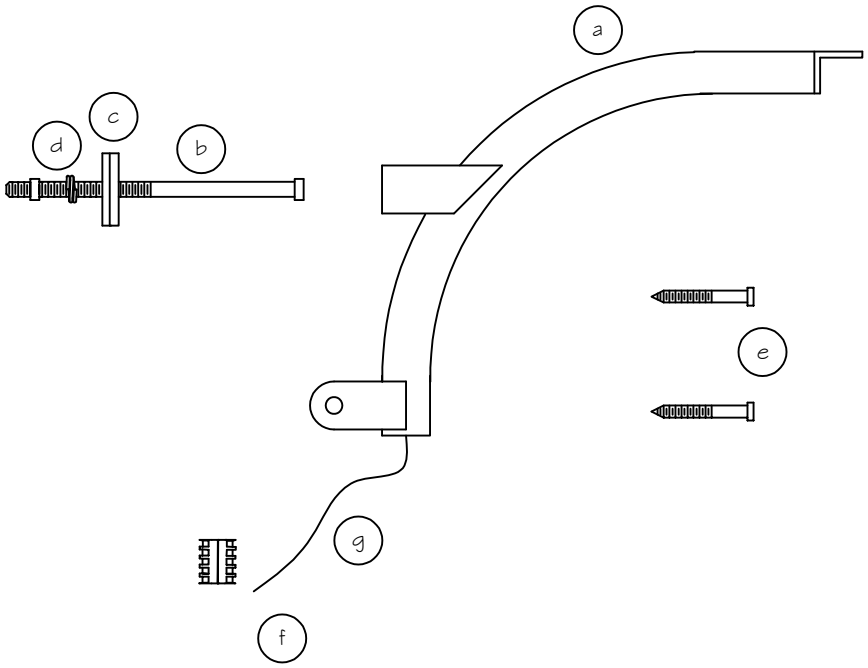
LIGHTING BRACKET
18" x 2"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: October 11, 2005

ASSEMBLY ID.

BL01858



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL020PF		
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, FLOODLIGHT, 20" x 2", w/FLANGE	1-025-165	1		
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1		
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1		
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1		
e	SCREW, LAG, 3/8" x 3"	1-325-910	2		
f	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	1		
g	CONDUCTOR, #4 BARE CU	1-065-040	2'		

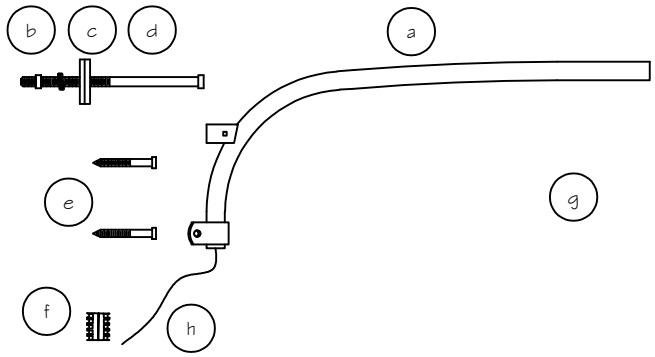
FLOODLIGHT BRACKET
20" x 2"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

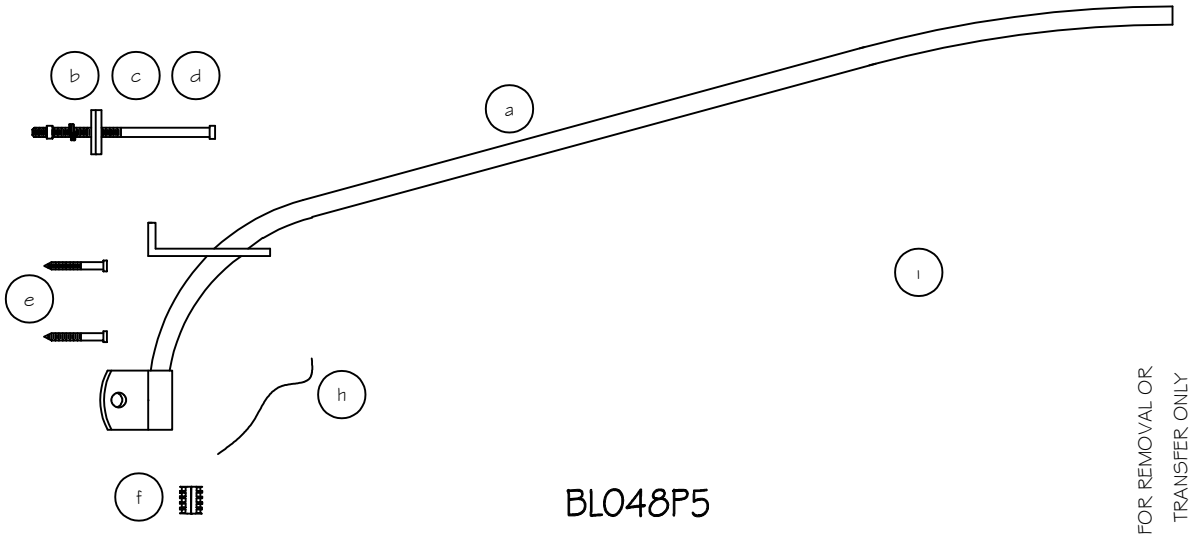
DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BL020PF



BL030P5



BL048P5

FOR REMOVAL OR TRANSFER ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL030P5 QUANTITY	BL048P5 QUANTITY	QUANTITY
a	BRACKET, LIGHTING, 30" x 1 1/4"	1-025-150	1	-	
a	BRACKET, LIGHTING, 48" x 1 1/4"	1-025-090	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1	1	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1	1	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	
e	SCREW, LAG, 3/8" x 3"	1-325-910	2	2	
f	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	1	1	
h	CONDUCTOR, #4 BARE CU	1-065-040	2'	2'	

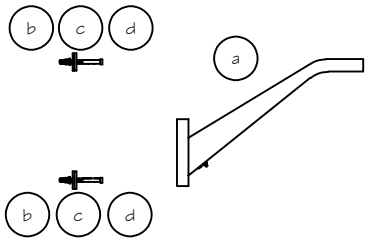
LIGHTING BRACKETS
30" & 48"
1 1/4 DIAMETER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

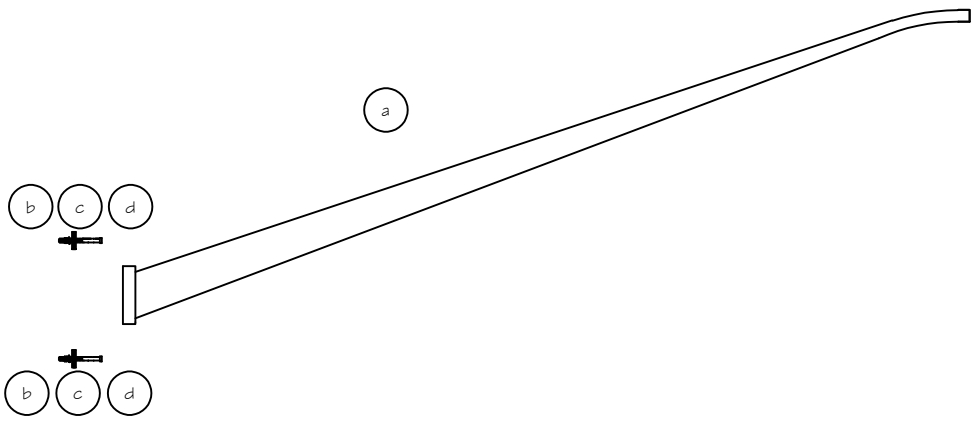
DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: February 19, 2013

ASSEMBLY ID.

BL030P5
BL048P5



BL030T8



BLI44T8

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL030T8	BLI44T8	
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, LUMINAIRE, TAPERED, 30"	1-025-104	1	-	
a	BRACKET, LUMINARE, TAPERED, 12' x 4' x 2"	1-025-103	-	1	
b	BOLT, MACHINE, 5/8" x 7", w/ NUT	1-325-165	2	2	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
d	WASHER, LOCK, 5/8"	1-325-740	2	2	

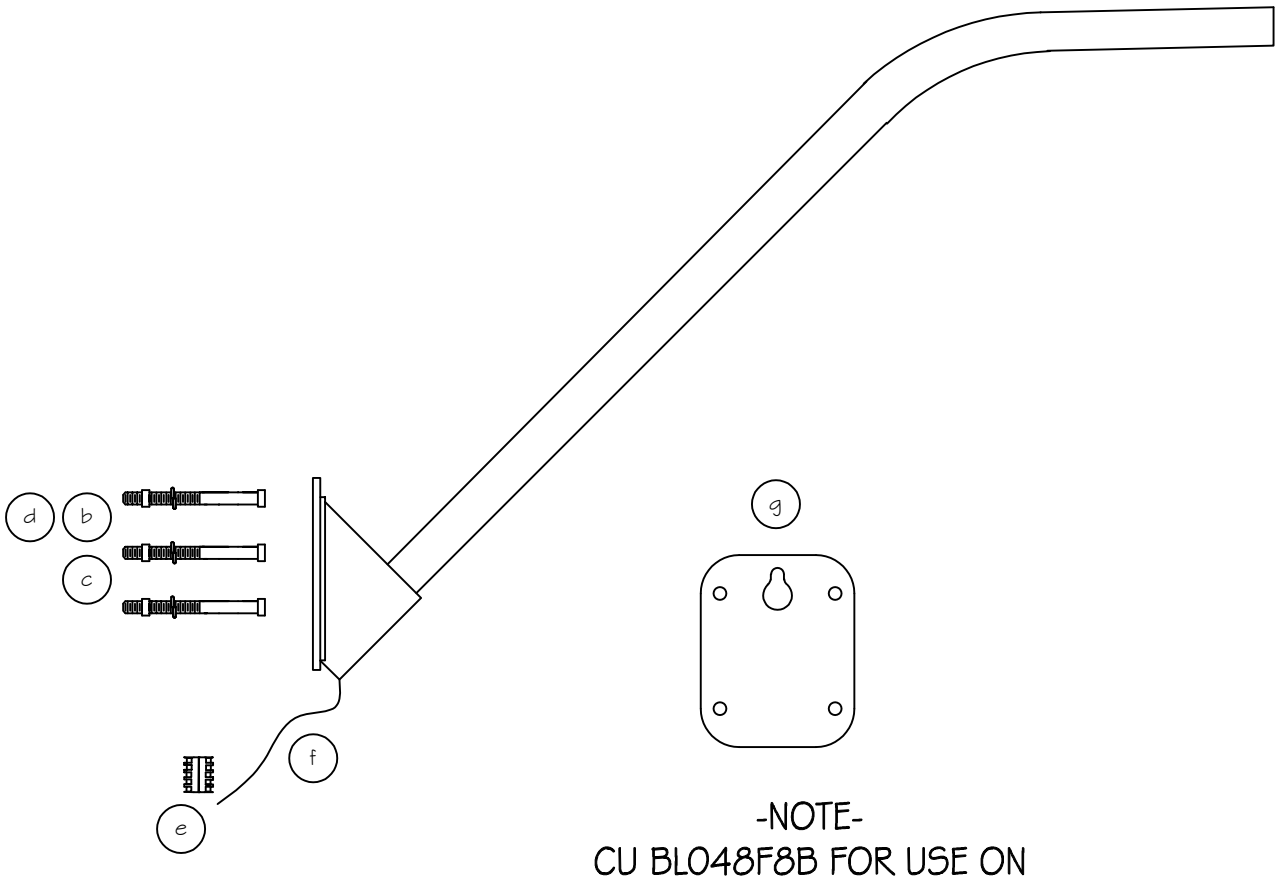
TAPERED LIGHTING BRACKETS
30" & 12'
2" DIAMETER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW III	DATE: APRIL 28, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 6, 2006

ASSEMBLY ID.

BL030T8
BLI44T8



-NOTE-
CU BL048F8B FOR USE ON
FLAT WOODEN SURFACES

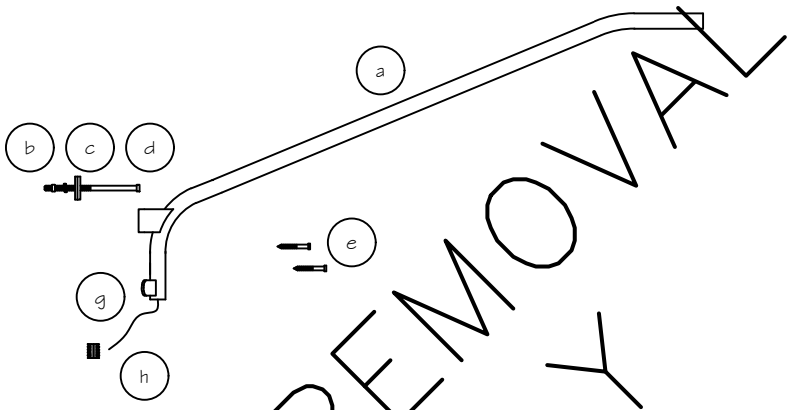
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL048F8A	BL048F8B	BACKPLI
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, LIGHTING, 4' x 2' x 2"	1-025-085	1	1	-
b	BOLT, MACHINE, 5/8" x 7", w/NUT	1-325-165	5	-	-
c	WASHER, SPLIT-RING, LOCK, 5/8"	1-325-740	5	-	-
d	SCREW, LAG, 1/2" x 4"	1-325-145	-	5	-
e	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-310	1	1	-
f	CONDUCTOR, #4 BARE CU	1-065-040	2'	2'	-
g	PLATE, BACKING, FOR 4' FLAT SURFACE BRACKET	1-025-087	-	-	1

FLAT SURFACE LIGHTING BRACKET
4' x 2' x 2"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

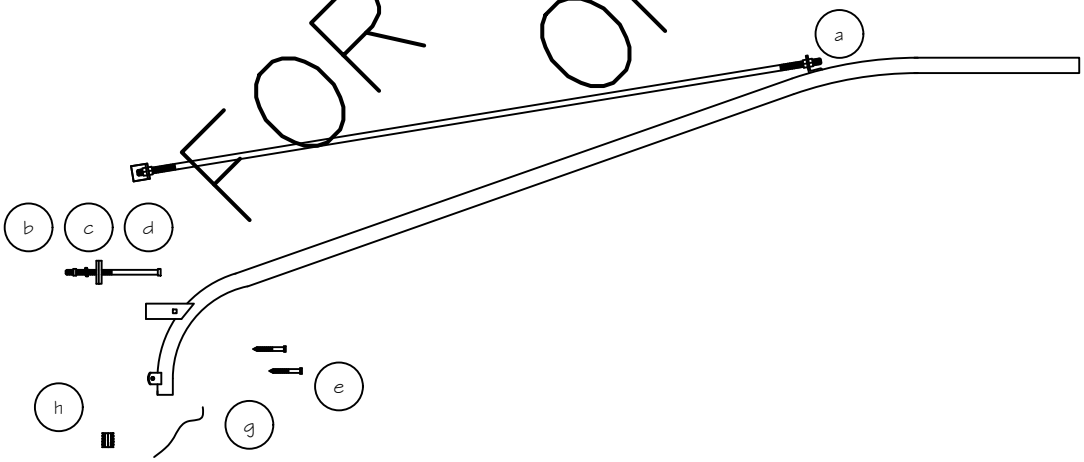
DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 6, 2006

ASSEMBLY ID.
BL048F8A
BL048F8B
BACKPLI



BL072P8

FOR REMOVAL ONLY



BLI20P8

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL072P8 QUANTITY	BLI20P8 QUANTITY	QUANTITY
a	BRACKET, LUMINAIRE, WOOD POLE, 6' x 2' x 2"	1-025-100	1	-	
a	BRACKET, WOOD POLE, 10' x 2"	1-025-120	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1	1	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1	1	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	
e	SCREW, LAG, 1/2" x 4"	1-325-145	2	2	
g	CONDUCTOR, #4 BARE CU	1-065-040	2'	2'	
h	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	1	1	

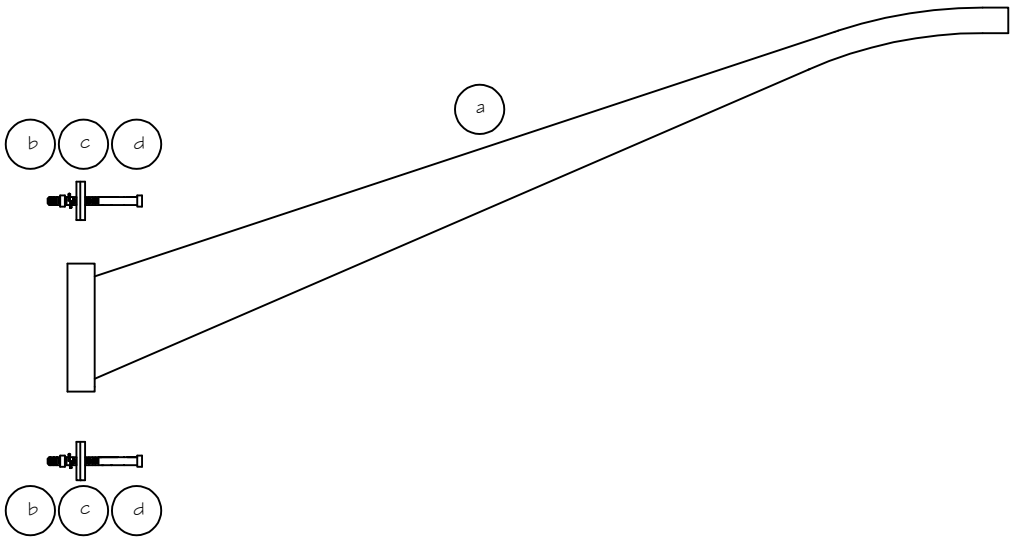
LIGHTING BRACKET
6' & 10'
2" DIAMETER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: MAY 19, 2023

ASSEMBLY ID.

BL072P8
BLI20P8



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL072T8 QUANTITY	BL072B8 QUANTITY	QUANTITY
a	BRACKET, LUMINAIRE, TAPERED, 6' x 2' x 2"	1-025-105	1	-	
a	BRACKET, LUMINAIRE, TAPERED, 6' x 2' x 2", BLACK	1-025-108	-	1	
b	BOLT, MACHINE, 5/8" x 7", w/ NUT	1-325-165	2	2	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
d	WASHER, LOCK, 5/8"	1-325-740	2	2	

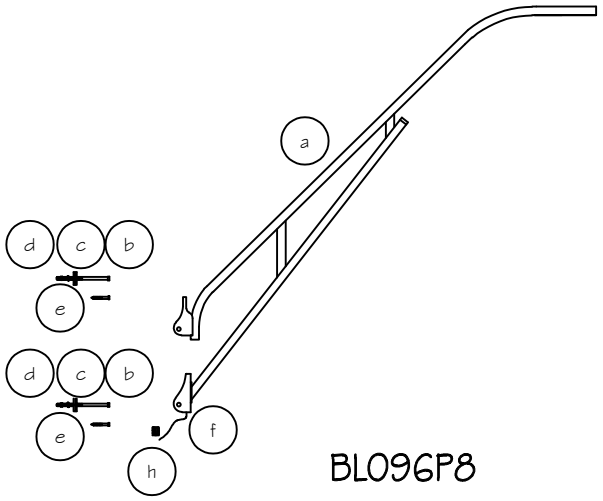
LIGHTING BRACKET 6' x 2" TAPERED (STANDARD or BLACK)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

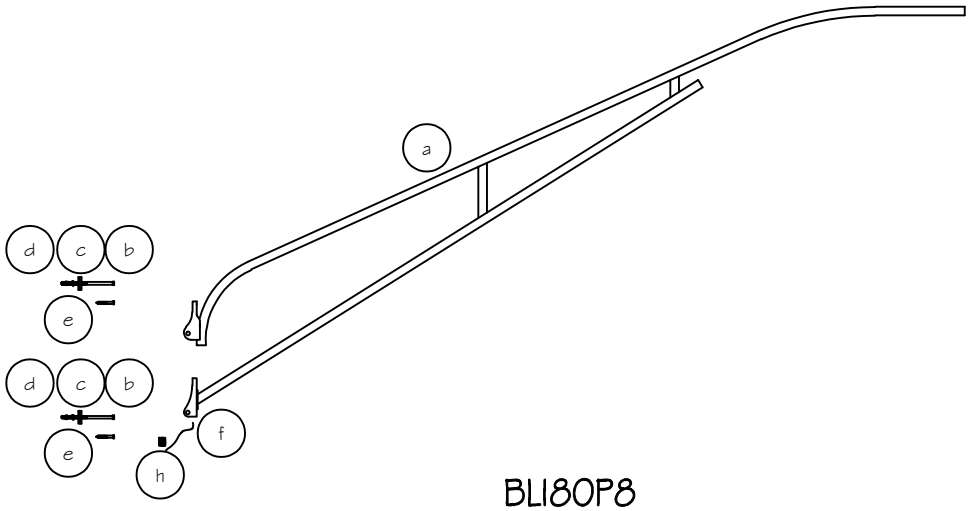
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: October 11, 2005

ASSEMBLY ID.

BL072T8
BL072B8



BL096P8



BL180P8

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL096P8 QUANTITY	BL180P8 QUANTITY	QUANTITY
a	BRACKET, UPSWEEP, LIGHTING, 8' x 5' x 2"	1-025-110	1	-	
a	BRACKET, UPSWEEP, LIGHTING, 15' x 5' x 2"	1-025-110	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	2	2	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	2	2	
e	SCREW, LAG, 1/2" x 4"	1-325-145	4	4	
f	CONDUCTOR, #4 BARE CU	1-065-040	2'	2'	
h	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	1	1	

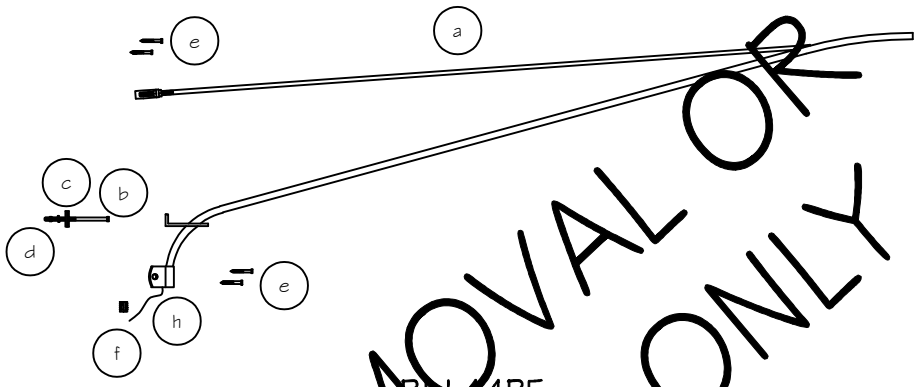
UPSWEEP LIGHTING BRACKETS 8' & 15' 2" DIAMETER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 6, 2006

ASSEMBLY ID.

BL096P8
BL180P8



BL144P5

FOR REMOVAL OR TRANSFER ONLY



BLI92P5

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL144P5 QUANTITY	BLI92P5 QUANTITY	QUANTITY
a	BRACKET, LIGHTING, 12' x 1 1/4"	1-025-125	1	-	
a	BRACKET, LIGHTING, 16' x 1 1/4"	1-025-140	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1	2	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1	2	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	2	
e	SCREW, LAG, 1/2" x 4"	1-325-145	4	2	
f	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	1	1	
h	CONDUCTOR, #4 BARE CU	1-065-040	2'	4'	

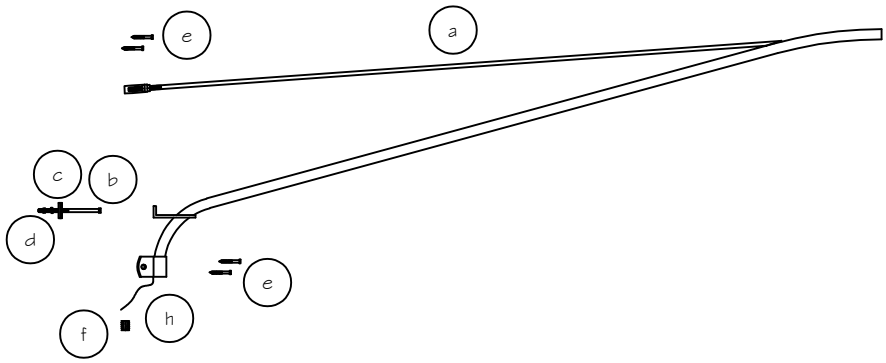
LIGHTING BRACKETS
12' & 16'
1 1/4" DIAMETER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

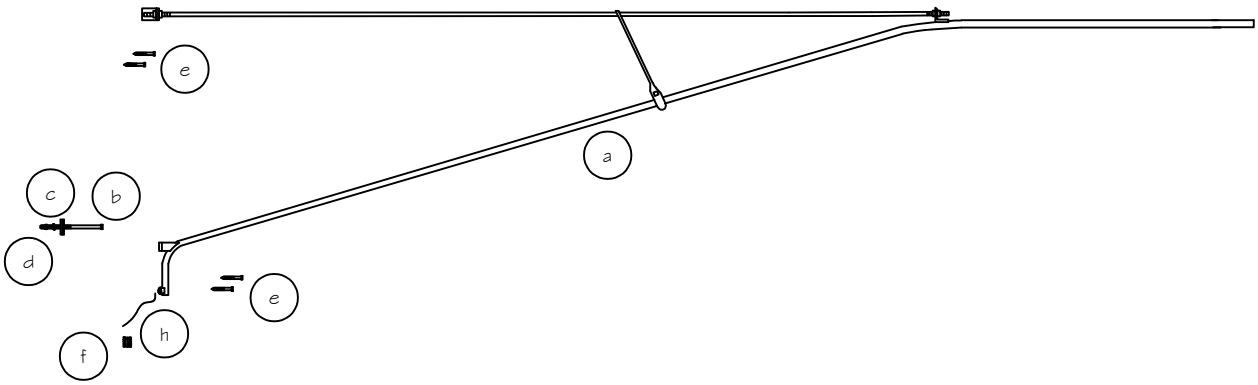
DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: February 19, 2013

ASSEMBLY ID.

BL144P5
BLI92P5



BL144P8



BL216P8

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BL144P8	BL216P8	
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, LIGHTING, 12' x 2"	1-025-130	1	-	
a	BRACKET, LUMINAIRE, WOOD POLE, 18' x 4' x 2"	1-025-135	-	1	
b	BOLT, MACHINE, 5/8" x 12", w/NUT	1-325-180	1	1	
c	WASHER, SQUARE, CURVED, 3"	1-325-760	1	1	
d	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	
e	SCREW, LAG, 1/2" x 4"	1-325-145	4	4	
f	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	1	1	
h	CONDUCTOR, #4 BARE CU	1-065-040	2'	2'	

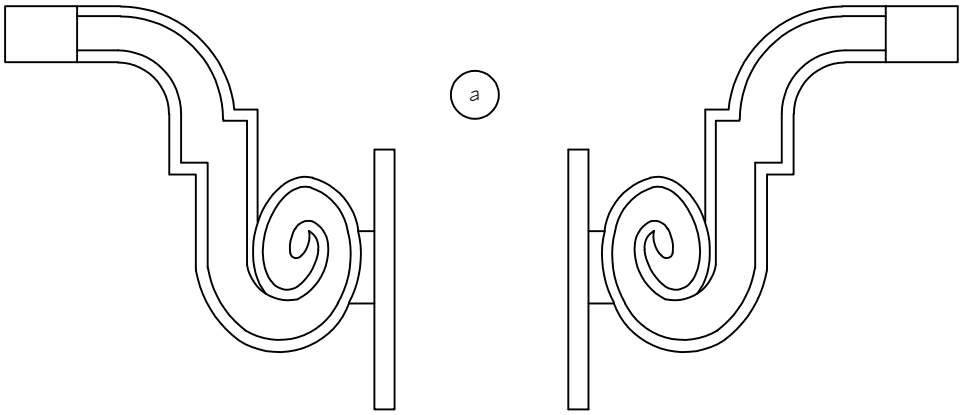
LIGHTING BRACKETS
12' & 18'
2" DIAMETER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: February 19, 2013

ASSEMBLY ID.

BL144P8
BL216P8





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BLX17AX QUANTITY	QUANTITY	QUANTITY
a	BRACKET, POLE MOUNT, ACORN LIGHT	1-165-400	2		
b	BOLT, MACHINE, 5/8" x 12"	1-325-180	2		
c	WASHER, SPRING LOCK, 5/8"	1-325-740	2		

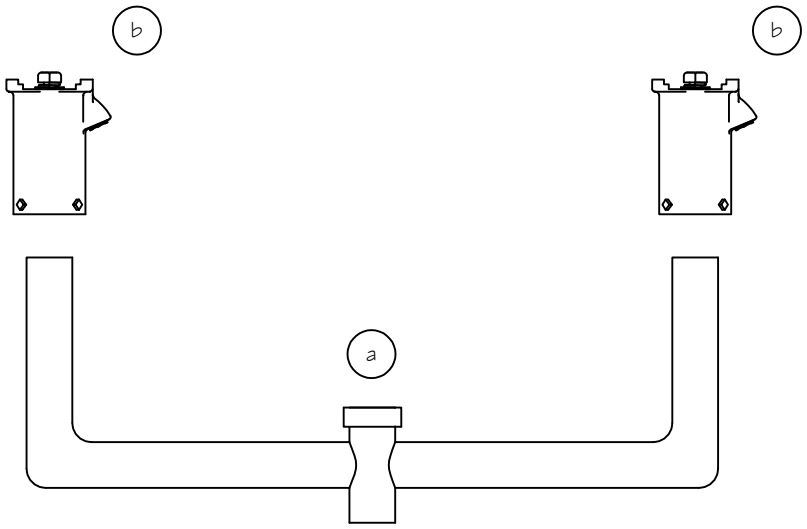
DECORATIVE LIGHTING BRACKET FOR DOWNTOWN PROJECTS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BLX17AX



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BLX36S8		
			QUANTITY	QUANTITY	QUANTITY
a	BRACKET, DOUBLE TENON, 2"	1-025-168	1		
b	ADAPTER, TENON/TRUNNION, 2 3/8"	1-005-710	2		

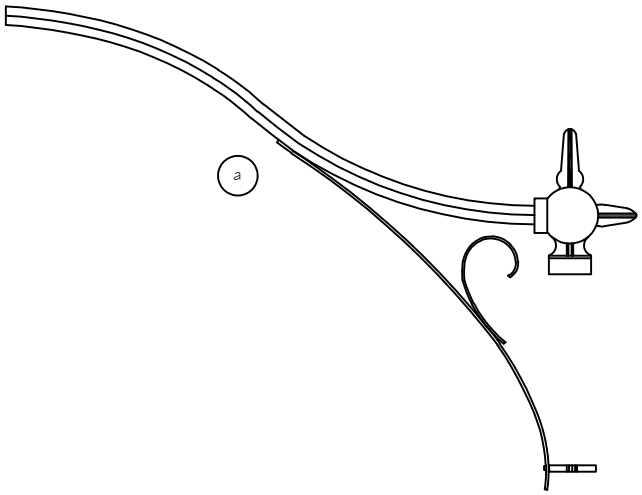
DOUBLE POLE TOP BRACKET FOR FLOODLIGHTS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

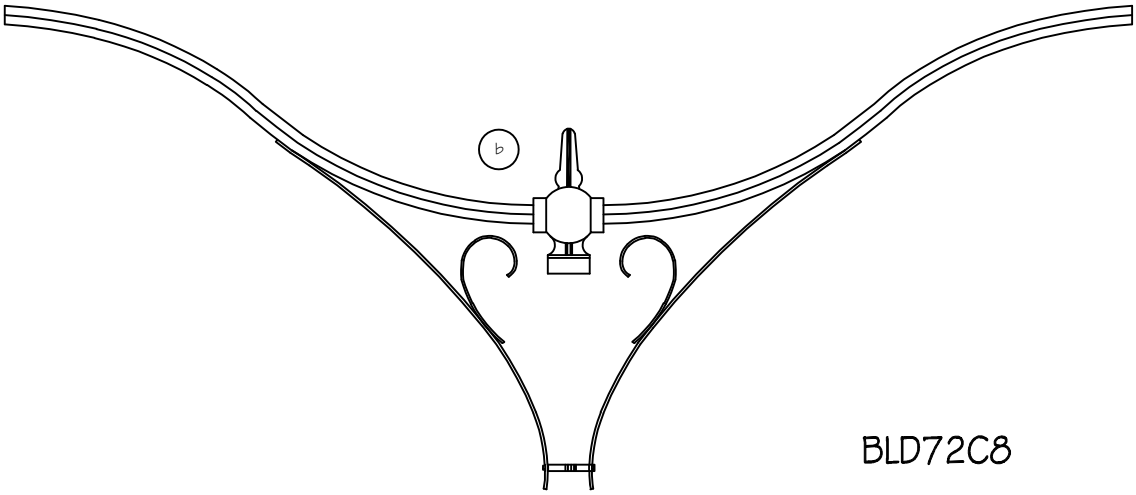
DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: October 11, 2005

ASSEMBLY ID.

BLX36S8



BLX72C8



BLD72C8

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BLX72C8 QUANTITY	BLD72C8 QUANTITY	QUANTITY
a	BRACKET, TEARDROP LUMINAIRE, CONC. POLE, BLACK, 6' x 2 'x 2"	1-025-152	1	-	
b	BRACKET, DOUBLE, TEARDROP LUMINAIRE, CONC. POLE, BLACK, 6' x 2' x 2"	1-025-153	-	1	

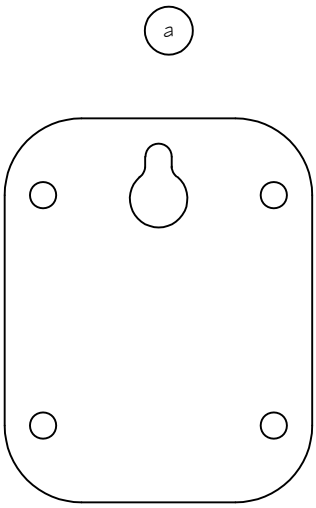
LIGHTING BRACKETS FOR TEARDROP LUMINAIRES 6' x 2' x 2"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 6, 2006

ASSEMBLY ID.

BLX72C8
BLD72C8



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BACKPL1		
			QUANTITY	QUANTITY	QUANTITY
a	PLATE, BACKING, FOR 4' FLAT SURFACE BRACKET	1-025-087	1		

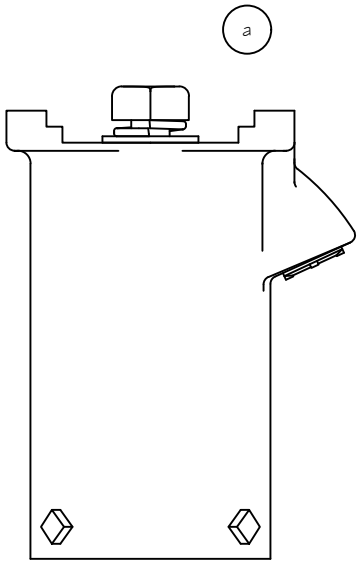
BACKING PLATE FOR FLAT SURFACE BRACKET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BACKPL1



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	TRUNADAP QUANTITY	QUANTITY	QUANTITY
a	ADAPTER, TENON / TRUNNION, 2-3/8"	1-005-710	1		

TENON / TRUNNION ADAPTER FOR FLOODLIGHT MOUNTING ON FIBERGLASS POLES

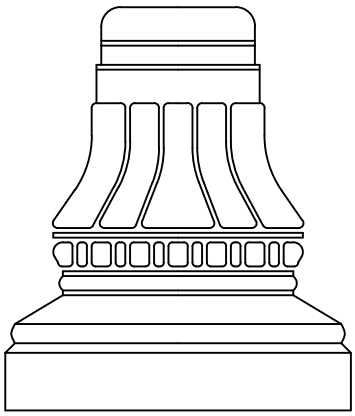
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

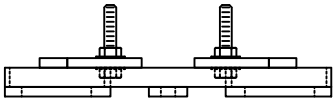
TRUNADAP

a



ADAPTER PLATES ARE NON-STOCK ITEM
AND ARE AVAILABLE AT PWC WAREHOUSE

b



USE WITH 12'
BLACK DECORATIVE POLE

USE WITH 12'
BLACK DECORATIVE POLE

USE WITH 12'
BLACK DECORATIVE CONCRETE POLE ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	SHROUD1	SHROUD2	SHROUD3
			QUANTITY	QUANTITY	QUANTITY
a	SHROUD, 18" - 20" ORNAMENTAL POLE	1-221-600	1	1	-
a	SHROUD, 28"H, CONCRETE POLE, BLACK	1-221-610	-	-	1
b	ADAPTER, FOR POLE MOUNTING	N/A	1	-	-

ORNAMENTAL POLE SHROUD

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
SHROUD1
SHROUD2
SHROUD3

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PHOTO CONTROLS		
PCH	PHOTOCONTROL, ELECTRONIC, 3-PRONG, 105-285 VOLT, BLUE	1-250-013	1
PCS	CAP, PHOTOCONTROL, SHORTING, 3-PRONG, BLACK	1-250-019	1
PCO	CAP, PHOTOCONTROL, OPEN, 3-PRONG, ORANGE	1-250-018	1
PCG	PHOTOCONTROL, LONG LIFE, ELECTRONIC, 3-WIRE, 120 - 277V, GREEN	1-250-005	1

PHOTO CONTROLS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 23, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	REVISED: January 14, 2013

ASSEMBLY ID.

PC1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	RELAY, PHOTOCONTROL, 30 AMP, 120 VOLT		
PCR030A	MRXI, 30 AMP, 120V, 1-POLE, RELAY	1-250-030	1
	BOLT, MACHINE, 5/8" X 12"	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	CARTRIDGE, 30 AMP, 250V, FUSE	1-140-020	2
	SIMPLEX, SOLID, BARE COPPER, SOFT, #4	1-065-040	3'
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	PHOTOCONTROL, ELECTRONIC, 3-PRONG, 105-285V	1-250-013	1
	RELAY, PHOTOCONTROL, 30 AMP, 480 VOLT		
PCR030D	MRPG, 30 AMP, 480V, 2 POLE, ROCC RELAY	1-250-020	1
	BOLT, MACHINE, 5/8" X 12"	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	CARTRIDGE, 30 AMP, 250V, FUSE	1-140-020	2
	SIMPLEX, SOLID, BARE COPPER, SOFT, #4 (Note: Item not part of material issued)	1-065-040	3'
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	PHOTOCONTROL, ELECTRONIC, 3-PRONG, 105-285V	1-250-013	1
	RELAY, PHOTOCONTROL, 60 AMP, 240/480 VOLT		
PCR060D	RELAY, 60A, 240/480V, PHOTOCONTROL	1-250-050	1
	BOLT, MACHINE, 5/8" X 12"	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	CARTRIDGE, 60 AMP, 250V, FUSE	1-140-030	2
	SIMPLEX, SOLID, BARE COPPER, SOFT, #4 (Note: Item not part of material issued)	1-065-040	3'
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	PHOTOCONTROL, ELECTRONIC, 3-PRONG, 105-285V	1-250-013	1

PHOTOCONTROL RELAYS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 23, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: February 21, 2013

ASSEMBLY ID.

PCR1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	RELAY, PHOTOCONTROL, 100 AMP, 120/240 VOLT		
PCR100A	RELAY, 100A, 120/240V, PHOTOCONTROL	1-250-040	1
	BOLT, MACHINE, 5/8" X 12"	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	SIMPLEX, SOLID, BARE COPPER, SOFT, #4 (Note; Item not part of material issued)	1-065-040	3'
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	PHOTOCONTROL, ELECTRONIC, 3-PRONG, 105-285V	1-250-013	1
	RELAY, PHOTOCONTROL, 100 AMP, 240/480 VOLT		
PCR100D	RELAY, 100A, 240/480V, PHOTOCONTROL	1-250-055	1
	BOLT, MACHINE, 5/8" X 12"	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	SIMPLEX, SOLID, BARE COPPER, SOFT, #4 (Note: Item not part of material issued)	1-065-040	3'
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1
	PHOTOCONTROL, ELECTRONIC, 3-PRONG, 105-285V	1-250-013	1
	RELAY, REMOTE CONTROL, 100 AMP, 120/240 VOLT		
PCR100AX	RELAY, 100A, 120/240V, REMOTE CONTROL	1-250-045	1
	BOLT, MACHINE, 5/8" X 12"	1-325-180	2
	WASHER, SQUARE, CURVED, 3"	1-325-760	2
	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2
	SIMPLEX, SOLID, BARE COPPER, SOFT, #4 (Note: Item not part of material issued)	1-065-040	3'
	CONNECTOR, PRL. GRVE. COMP., #2/7	1-075-250	1

PHOTOCONTROL RELAYS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: JULY 23, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: July 11, 2014

ASSEMBLY ID.

PCR2

SURGE ARRESTERS

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	DISTRIBUTION LINE ARRESTOR (STANDARD DUTY)		
LA10SD	ARRESTER, 10KV, STANDARD DUTY	1-170-020	1
	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1
	CONNECTOR, PRL. GROVE., COMP., #4 - #4 CU	1-075-313	1
	CONDUCTOR, #4 BARE CU	1-065-040	8'
LA21SD	ARRESTER, 21KV, STANDARD DUTY	1-170-040	1
	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1
	CONNECTOR, PRL. GROVE., COMP., #4 - #4 CU	1-075-313	1
	CONDUCTOR, #4 BARE CU	1-065-040	8'
	DISTRIBUTION LINE ARRESTER (HEAVY DUTY)		
LA10	ARRESTER, 10KV, HEAVY DUTY	1-170-010	1
	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1
	CONNECTOR, PRL. GRVE., #4 - #4 CU	1-075-313	1
	CONDUCTOR, #4 BARE CU	1-065-040	8'
LA21	ARRESTOR, 21KV, HEAVY DUTY	1-170-030	1
	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1
	CONNECTOR, PRL. GRVE., #4 - #4 CU	1-075-313	1
	CONDUCTOR, #4 BARE CU	1-065-040	8'
	RISER POLE LIGHTNING ARRESTER		
LA10RP	ARRESTER, 10KV, RISER POLE	1-170-015	1
	CONDUCTOR, #4 BARE CU	1-065-040	4'
	CONNECTOR, PRL. GRVE., #4 - #4 CU	1-075-313	1
LA21RP	ARRESTER, 21KV, RISER POLE	1-170-035	1
	CONDUCTOR, #4 BARE CU	1-065-040	4'
	CONNECTOR, PRL. GRVE., #4 - #4 CU	1-075-313	1
	STATION CLASS ARRESTER		
LA10ST	ARRESTER, 10KV, STATION CLASS	1-170-110	1
	w/ CROSSARM MOUNTING BKT		

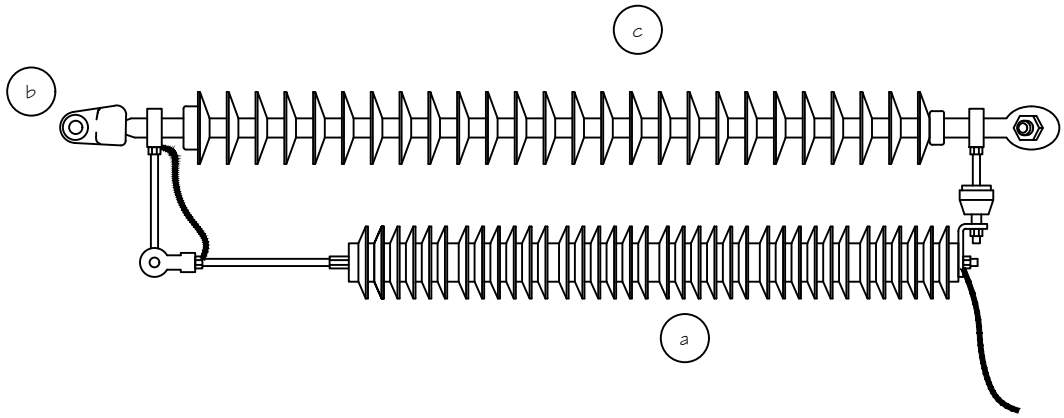
LIGHTNING ARRESTERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: W. JACOBS	DATE: JANUARY 26, 2007
CHECKED BY: WRW	SCALE: NONE
APPROVED BY: WRW	

ASSEMBLY ID.

LIGHTNING ARRESTERS



ARRESTER ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LAGODE	LAGODEA	
			QUANTITY	QUANTITY	QUANTITY
a	ARRESTER, 60 KV, w/INSULATOR ATTACHMENTS	1-170-070	1	-	
a	ARRESTER, 60 KV, w/INSULATOR ATTACHMENTS	1-170-070	-	1	
b	SOCKET TYPE, CLEVIS	1-055-030	1	-	
c	INSULATOR, POLYMER SUSPENSION, 69/115KV	1-160-027	1	-	

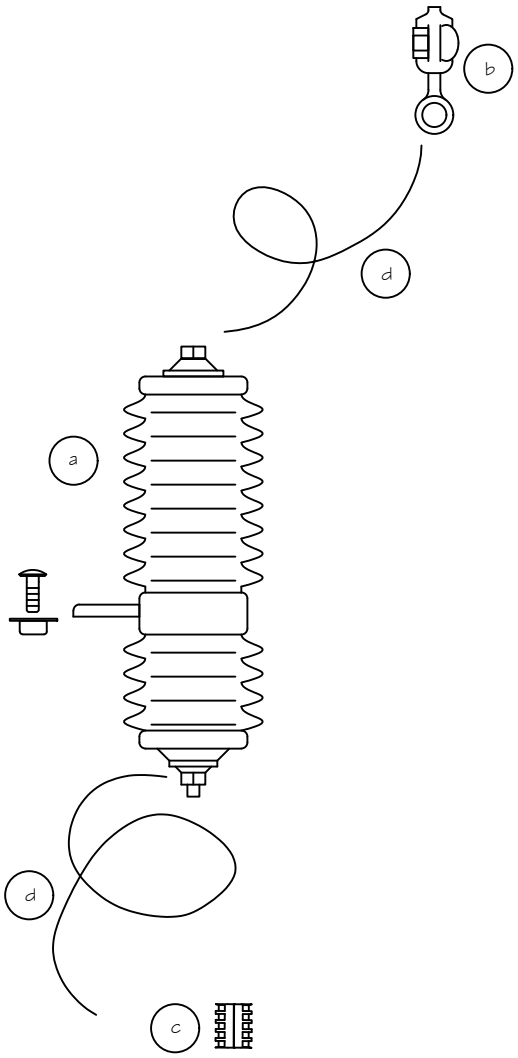
60KV DEADEND ARRESTER with and w/o INSULATOR

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: AUGUST 21, 2017

ASSEMBLY ID.

LAGODE
LAGODEA



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LA10	LA21	
			QUANTITY	QUANTITY	QUANTITY
a	ARRESTER, 10 KV, HEAVY DUTY, CROSSARM MOUNTING	1-170-010	1	-	
a	ARRESTER, 21 KV, HEAVY DUTY, CROSSARM MOUNTING	1-170-030	-	1	
b	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1	1	
c	CONNECTOR, PRL. GRVE., COMP., #4 - #4 CU	1-075-313	1	1	
d	CONDUCTOR, #4 BARE CU(Note: Item is not part of material issued)	1-065-040	8'	8'	

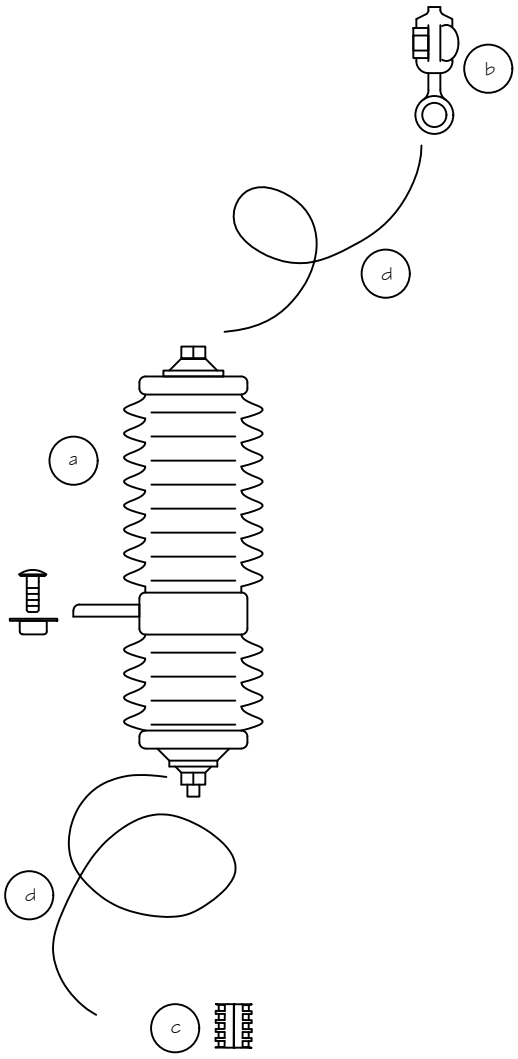
DISTRIBUTION LINE ARRESTER (HEAVY DUTY)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised : August 20, 2019

ASSEMBLY ID.

LA10
LA21



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LA1OSD	LA21SD	
			QUANTITY	QUANTITY	QUANTITY
a	ARRESTER, 10 KV, HEAVY DUTY, TRANSFORMER MOUNT	1-170-020	1	-	
a	ARRESTER, 21 KV, HEAVY DUTY, TRANSFORMER MOUNT	1-170-040	-	1	
b	CLAMP, HOT LINE, #8 - 2/0 CU	1-050-090	1	1	
c	CONNECTOR, PRL. GRVE., COMP., #4 - #4 CU	1-075-313	1	1	
d	CONDUCTOR, #4 BARE CU (Note:Item not part of material issue)	1-065-040	8'	8'	

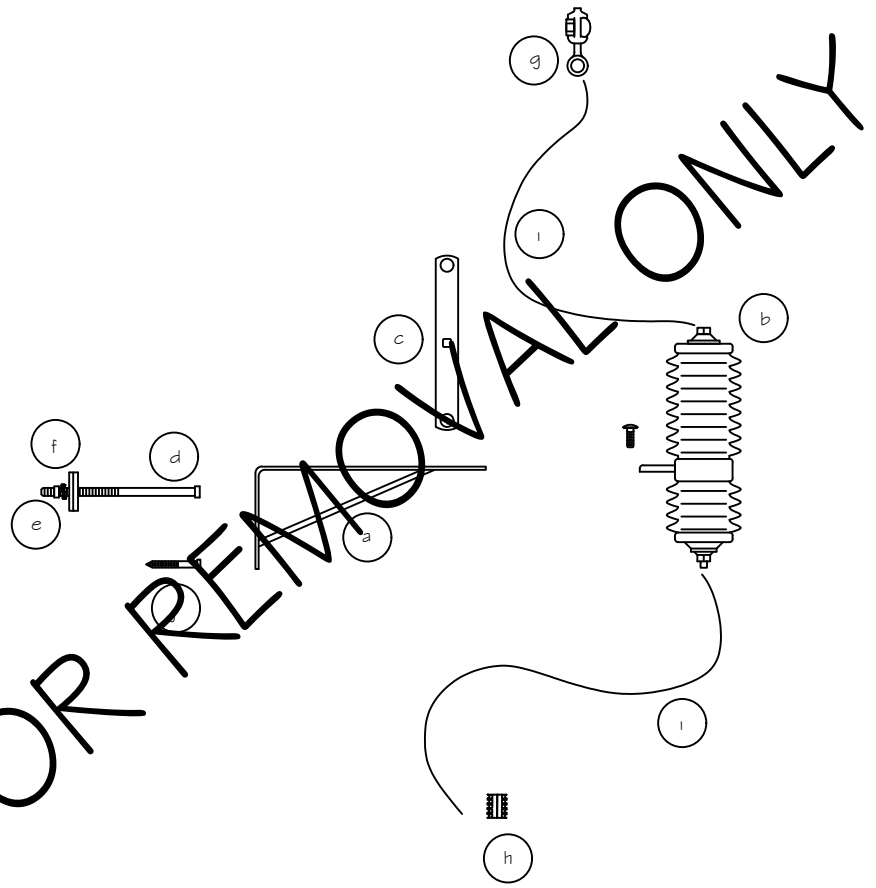
DISTRIBUTION LINE ARRESTER TRANSFORMER MOUNT (HEAVY DUTY)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: DECEMBER 9, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: August 20, 2019

ASSEMBLY ID.

LA1OSD
LA21SD



FOR REMOVAL ONLY

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LA310 QUANTITY	LA321 QUANTITY	QUANTITY
a	BRACKET, CUTOUT/ ARRESTER, 1 PH.	1-170-002	1	1	
b	ARRESTER, 10 KV, HEAVY-DUTY, CROSSARM MOUNTING	1-170-010	3	-	
b	ARRESTER, 21 KV, HEAVY-DUTY, CROSSARM MOUNTING	1-170-030	-	3	
c	STRAP, STEEL MOUNTING, FOR CO/ LA	1-170-004	1	1	
d	BOLT, MACHINE, 5/8" x 12", w/ NUT	1-325-180	1	1	
e	WASHER, DOUBLE COIL, SPLIT RING, LOCK, 5/8"	1-325-733	1	1	
f	WASHER, SQUARE, CURVED, 3"	1-325-760	1	1	
g	CLAMP, HOT LINE, #8 - 20 CU	1-050-090	3	3	
h	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	3	3	
i	CONNECTOR, #4 BARE CU (Note: This item is not part of materials issued)	1-065-040	27'	27'	
j	SCREW, LAG, 1/2" x 4"	1-325-145	1	1	

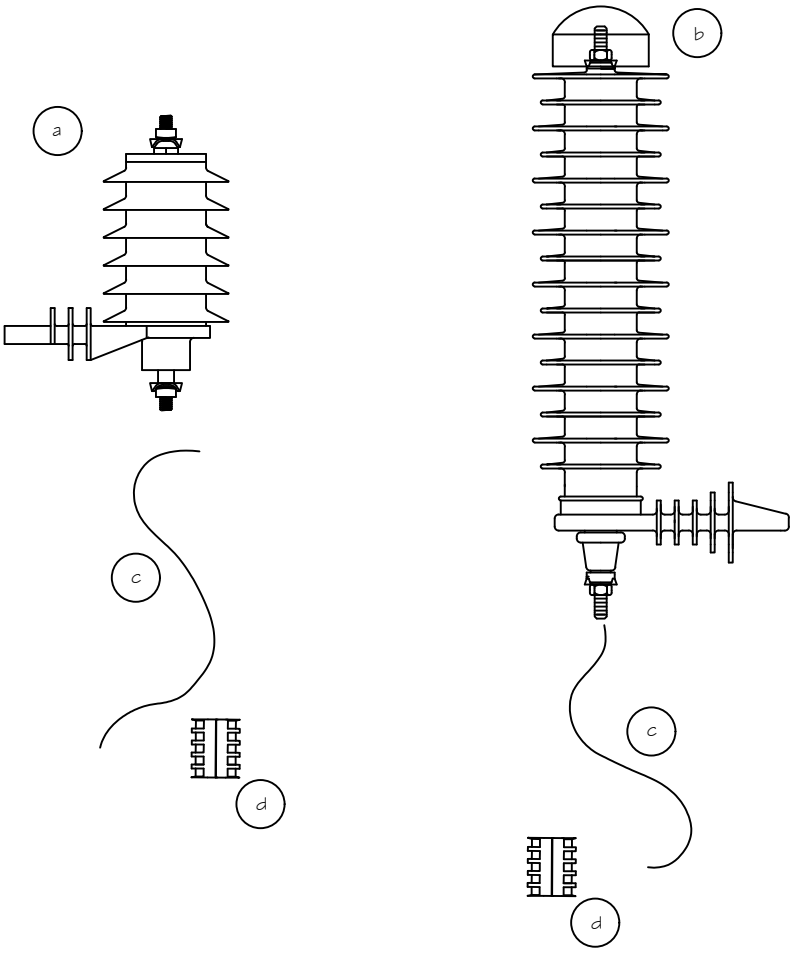
THREE PHASE LINE ARRESTER ASSEMBLY CROSSARM MOUNTING

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: August 20, 2019

ASSEMBLY ID.

LA310
LA321



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LA1ORP	LA21RP	
			QUANTITY	QUANTITY	QUANTITY
a	ARRESTER, 10 KV, RISER POLE	1-170-015	1	-	
b	ARRESTER, 21 KV, RISER POLE	1-170-035	-	1	
c	CONDUCTOR, #4 BARE CU (Note: This item is not part of materials issued)	1-065-040	4'	4'	
d	CONNECTOR, PRL. GRVE. COMP., #4 - #4 CU.	1-075-313	1	1	

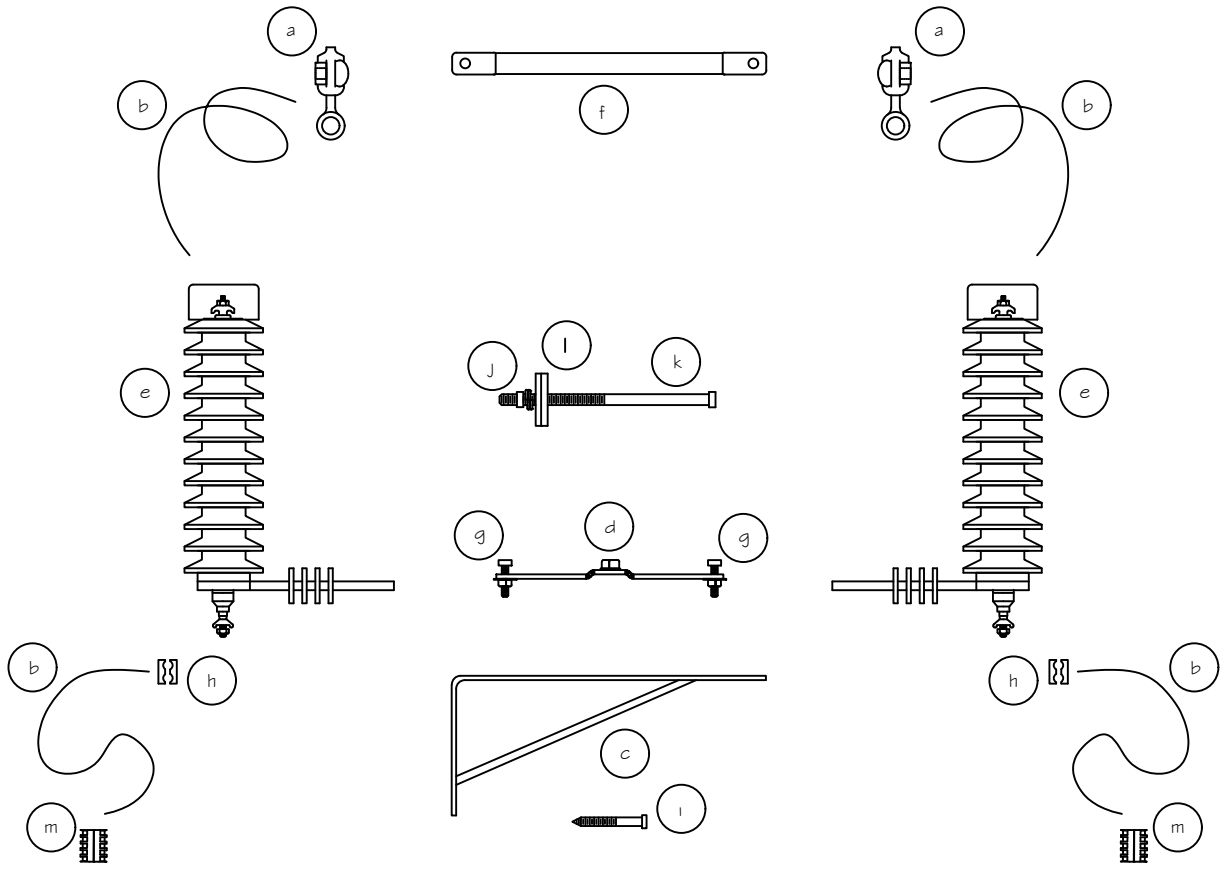
RISER POLE
LIGHTNING ARRESTER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: August 20, 2019

ASSEMBLY ID.

LA1ORP
LA21RP



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LA1OSW	LA21SW	
			QUANTITY	QUANTITY	QUANTITY
a	CLAMP, HOT LINE, #8- 2/0 CU	1-050-090	2	2	
b	SIMPLEX, SOLID, BARE COPPER, SOFT, #4 (Note:Item not part of material issue)	1-065-040	14'	14'	
c	BRACKET, CUTOUT/ ARRESTER, 1 PH.	1-170-002	1	1	
d	STRAP, STEEL MOUNTING, FOR CO/LA	1-170-004	1	1	
e	ARRESTER, 10 KV, HEAVY-DUTY, CROSSARM MOUNTING	1-170-010	2	-	
e	ARRESTER, 21 KV, HEAVY-DUTY, CROSSARM MOUNTING	1-170-030	-	2	
f	STRAP, COPPER GROUND, 12"	1-075-485	2	2	
g	BOLT MACHINE, GALVANIZED, 1/2" x 2"	1-325-156	3	3	
h	CLAMP, GROUNDING, 5/8"	1-050-074	1	1	
i	SCREW, LAG, 1/2" x 4"	1-325-145	1	1	
J	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	1	1	
k	BOLT, MACHINE, 5/8" x 12"	1-325-180	1	1	
l	WASHER, SQUARE, CURVED, 3"	1-325-760	1	1	
m	CONNECTOR, PRL. GRVE. COMP., #2/0 - #2 CU.	1-075-316	1	1	

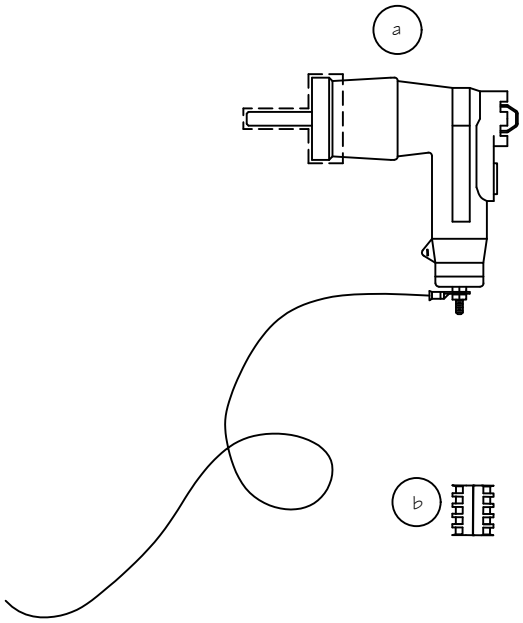
BACK-TO-BACK ARRESTERS FOR DISTRIBUTION GOAB SWITCHES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: August 20, 2019

ASSEMBLY ID.

LA1OSW
LA21SW



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LA1OSC	LA2ISC	
			QUANTITY	QUANTITY	QUANTITY
a	ARRESTER, 10 KV, ELBOW	1-170-018	1	-	
a	ARRESTER, 21 KV, ELBOW	1-170-029	-	1	
b	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	1	1	

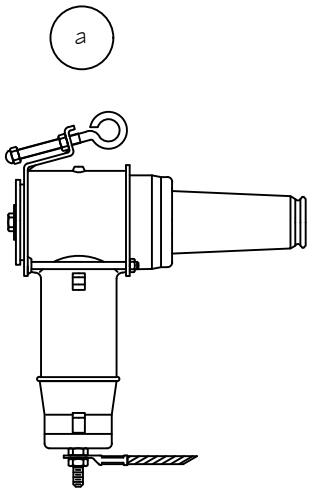
SEPARABLE CONNECTORS
LIGHTNING ARRESTERS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

LA1OSC
LA2ISC



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	LA10PS	LA18PS	
			QUANTITY	QUANTITY	QUANTITY
a	ARRESTER, 10 KV, ELBOW, PARKING STAND	1-170-019	1	-	
a	ARRESTER, 18 KV, ELBOW, PARKING STAND	1-170-028	-	1	
b	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU.	1-075-314	1	1	

SEPARABLE CONNECTORS
PARKING STAND ELBOW ARRESTERS

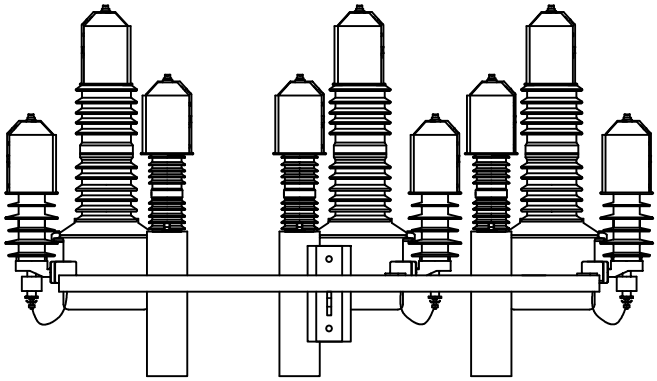
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: APRIL 19, 2011
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

LA10PS
LA18PS

CAPACITORS



a

NOTE

SOME MATERIALS HAVE BEEN OMITTED FROM DRAWING FOR CLARITY.

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CB300D12	CB600D12	
			QUANTITY	QUANTITY	QUANTITY
a	CAPACITOR BANK, 300 KVAR, 12 KV	1-040-105	1	-	
a	CAPACITOR BANK, 600 KVAR, 12 KV	1-040-100	-	1	
b	BOLT MACHINE, 3/4" x 14" w/ NUTS	1-325-215	2	2	
c	WASHER, 4" SQUARE/CURVED	1-325-780	2	2	
d	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2	2	
e	CAPACITOR, CONTROL, 3-PHASE BANK, AVG. VOLTS	1-040-140	1	1	
f	SOCKET, METER, 100A, 1-PHASE	1-185-570	1	1	
g	CONDUIT, 1" PVC (Note: Item is not part of material issued)	1-070-020	40'	40'	
h	STRAPS, CONDUIT, 1"	1-070-665	16	16	
i	SCREWS, LAG, 1/4"	1-325-917	32	32	
j	CAP, ENTRANCE, 1"	1-070-550	1'	1'	
k	CABLE, CONTROL, #9, 4/C, PE/PVC (Note: Item is not part of material issued)	1-065-860	50'	50'	
l	CABLE, CONTROL, #9, 2/C, PE/PVC (Note: Item is not part of material issued)	1-065-850	12	12	
m	CABLE, APPARTUS, #6 CU	1-065-205	40'	40'	
n	FUSE LINK, 20 A "K"	1-140-041	3	-	
o	FUSE LINK, 40 A "K"	1-140-042	-	3	

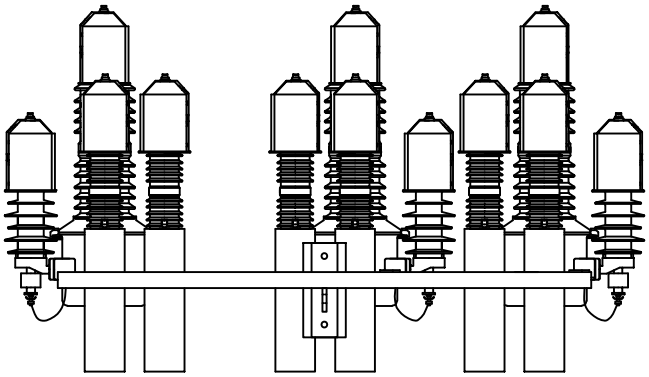
CAPACITOR BANK
12 KV - 300 AND 600 KVAR
POLE MOUNTED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: February 21, 2013

ASSEMBLY ID.

CB300D12
CB600D12



a

NOTE

SOME MATERIALS HAVE BEEN OMITTED FROM DRAWING FOR CLARITY.

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CB450D25	CB900D25	
			QUANTITY	QUANTITY	QUANTITY
a	CAPACITOR BANK, 450 KVAR, 25 KV	1-040-115	1	-	
a	CAPACITORBANK, 900 KVAR, 25KV	1-040-110	-	1	
b	BOLT MACHINE, 3/4" x 14" w/ NUTS	1-325-215	2	2	
c	WASHER, 4" SQUARE/CURVED	1-325-780	2	2	
d	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	1-325-734	2	2	
e	CAPACITOR, CONTROL, 3-PHASE BANK, AVG. VOLTS	1-040-140	1	1	
f	SOCKET, METER, 100A, 1-PHASE	1-185-570	1	1	
g	CONDUIT, 1" PVC (Note: Item is not part of material issued)	1-070-020	40'	40'	
h	STRAPS, CONDUIT, 1"	1-070-665	16	16	
i	SCREWS, LAG, 1/4"	1-325-917	32	32	
j	CAP, ENTRANCE, 1"	1-070-550	1'	1'	
k	CABLE, CONTROL, #9, 4/C, PE/PVC (Note: Item is not part of material issued)	1-065-860	50'	50'	
l	CABLE, CONTROL, #9, 2/C, PE/PVC (Note: Item is not part of material issued)	1-065-850	12	12	
m	CABLE, APPARTUS, #6 CU	1-065-205	40'	40'	
n	FUSE LINK, 15 A "K"	1-140-046	3		
o	FUSE LINK, 30 A "K"	1-140-043	-	3	

FOR REMOVAL ONLY

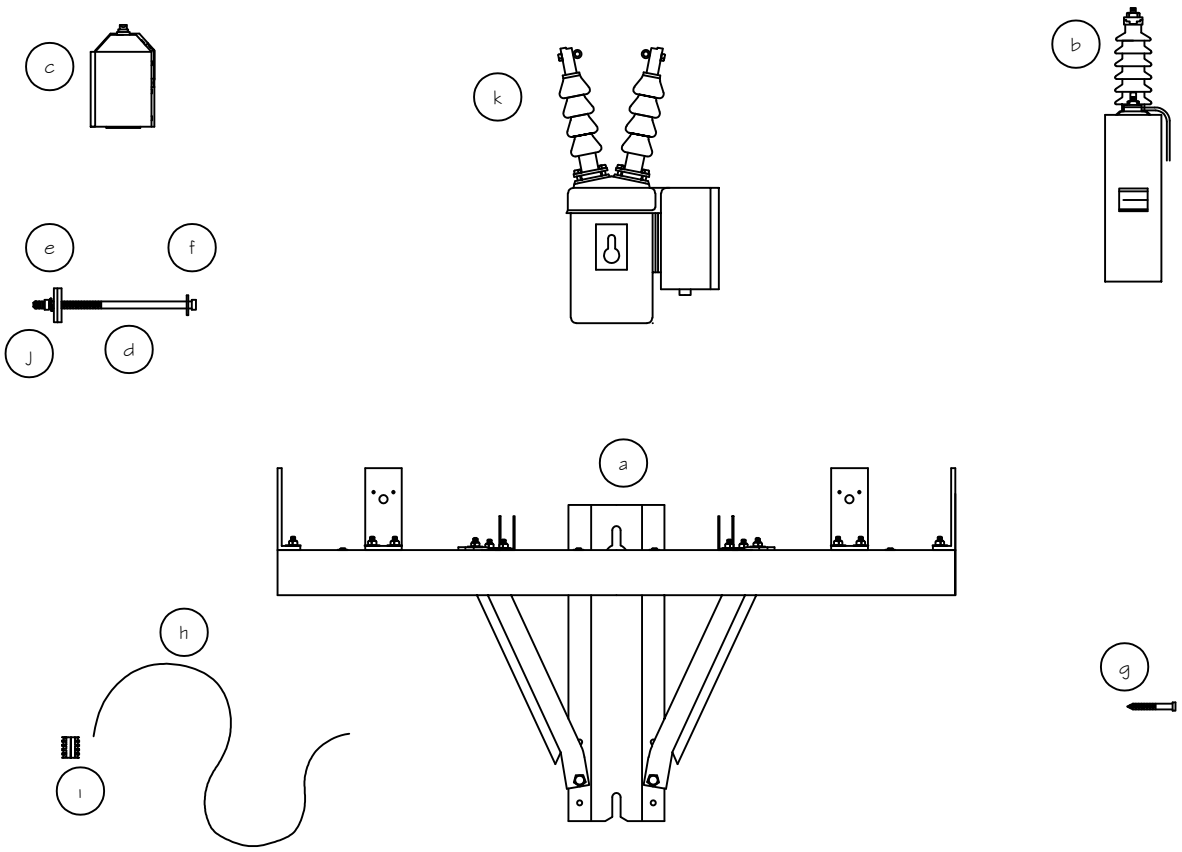
CAPACITOR BANK
25 KV - 450 AND 900 KVAR
POLE MOUNTED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: February 21, 2013

ASSEMBLY ID.

CB450D25
CB900D25



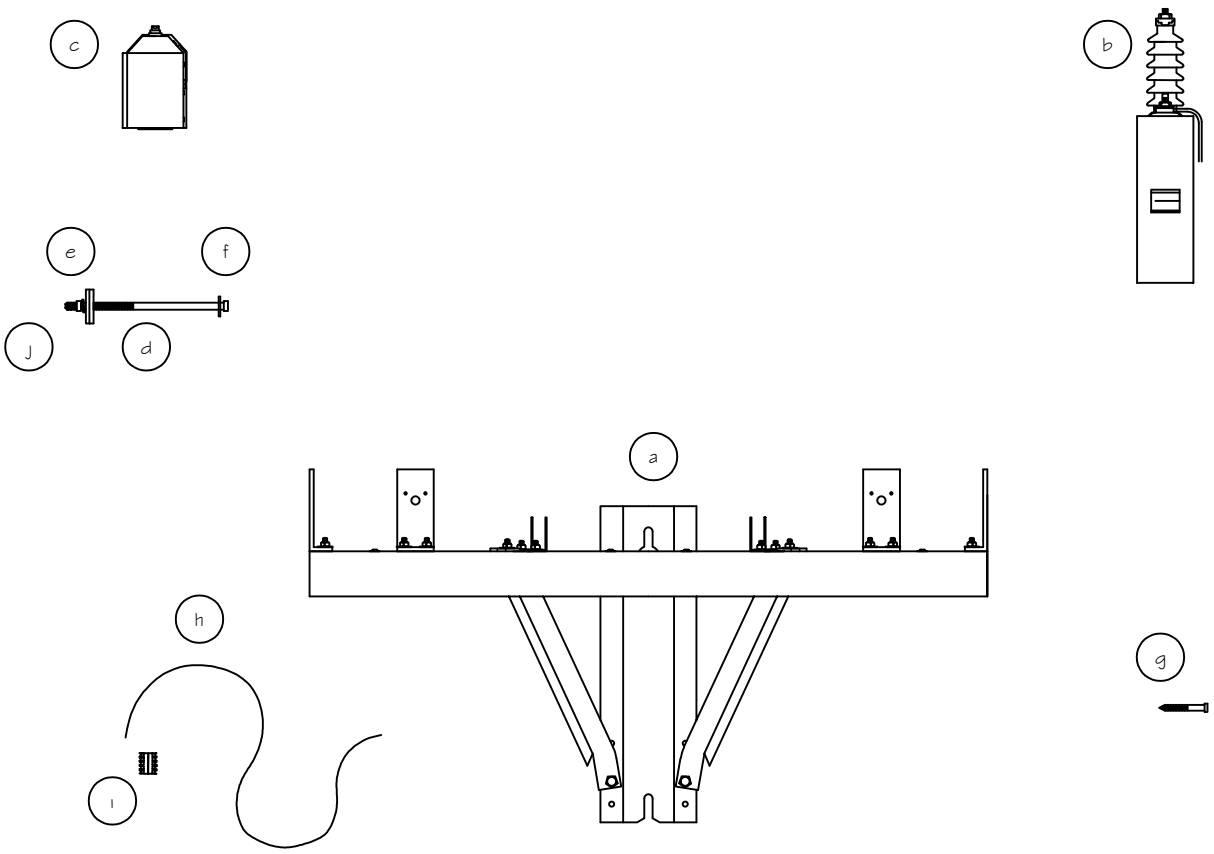
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CB600S12	CB600S25	CB900S25	CB12X25
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	POLE MOUNT FRAMES FOR CAPACITOR	1-040-505	1	1	1	1
b	CAPACITOR, 1 PH. 200 KVAR, 7.62 KV	1-040-005	3	-	-	-
b	CAPACITOR, 1 PH. 200 KVAR, 14.4 KV	1-040-006	-	3	-	6
b	150 KVAR SINGLE PHASE CAPACITOR	1-040-012	-	-	6	-
c	GUARD, SQUIRREL/ BIRD, 4" x 8"	1-030-900	9	9	12	12
d	BOLT, MACHINE, 5/8" x 14	1-325-185	2	2	2	2
e	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2	2
f	WASHER, FLAT, ROUND, 5/8"	1-325-720	2	2	2	2
g	SCREW, LAG, 1/2" x 4"	1-325-145	2	2	2	2
h	SIMPLEX, SOLID, BARE COPPER, SOFT, #4	1-065-040	3'	3'	3'	3'
i	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	2	2	2	2
J	WASHER, SPRING LOCK, 5/8"	1-325-740	2	2	2	2
k	OIL (CSL), 200 AMP, 15 KV, 1 PH. SWITCH	1-280-355	3	-	-	-
k	OIL (CSL), 200 AMP, 25 KV, 1 PH. SWITCH	1-280-360	-	3	3	3

SWITCHED CAPACITOR BANKS FOR POLE MOUNTING

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
CB600S12
CB600S25
CB900S25
CB12XS25



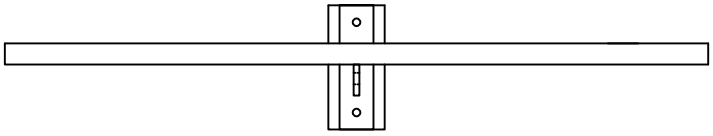
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CB300F12	CB600F12	CB600F25	CB900F25
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	POLE MOUNT FRAMES FOR CAPACITOR	1-040-505	1	1	1	1
b	CAPACITOR, 1 PH. 100 KVAR, 7.62 KV	1-040-003	3	-	-	-
b	CAPACITOR, 1 PH. 200 KVAR, 7.62 KV	1-040-005	-	3	-	-
b	CAPACITOR, 1 PH. 200 KVAR, 14.4 KV	1-040-006	-	-	3	-
b	150 KVAR SINGLE PHASE CAPACITOR	1-040-012	-	-	-	6
c	GUARD, SQUIRREL/ BIRD, 4" x 8"	1-030-900	3	3	3	6
d	BOLT, MACHINE, 5/8" x 14	1-325-185	2	2	2	2
e	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	2	2
f	WASHER, FLAT, ROUND, 5/8"	1-325-720	2	2	2	2
g	SCREW, LAG, 1/2" x 4"	1-325-145	2	2	2	2
h	SIMPLEX, SOLID, BARE COPPER, SOFT, #4(See Note Below)	1-065-040	3'	3'	3'	3'
i	CONNECTOR, PRL. GRVE. COMP., #2 - #2 CU	1-075-314	2	2	2	2
j	WASHER, SPRING LOCK, 5/8"	1-325-740	2	2	2	2
	Note:(Item is not part of material issued)					

FIXED (NON-SWITCHED) CAPACITOR BANKS FOR POLE MOUNTING

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: MARCH 26, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised; February 21, 2013

ASSEMBLY ID.
CB300F12
CB600F12
CB600F25
CB900F25



a

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	BKTCAPRK QUANTITY	QUANTITY	QUANTITY
a	CAPACITOR BANK, 450 KVAR, 25 KV	1-040-115	1		

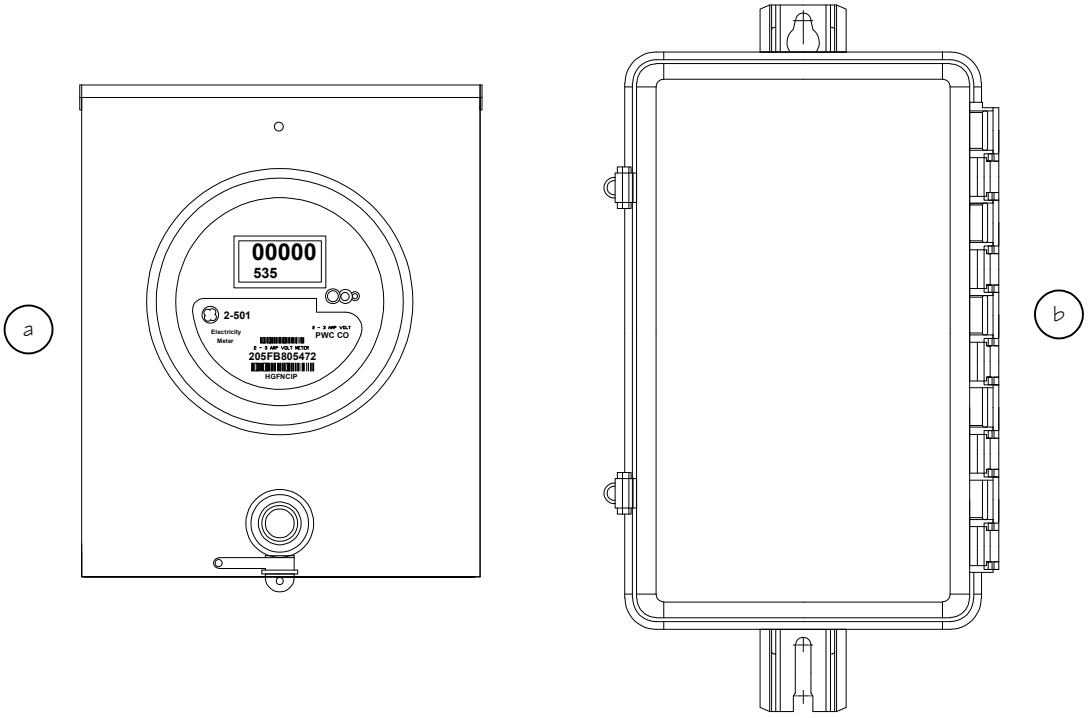
CAPACITOR RACK STATIC BRACKET

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: DECEMBER 9, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

BKTCAPRK



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	CAPBKCTRLA	CAPBKCTRLD	
			QUANTITY	QUANTITY	QUANTITY
a	CAPACITOR CONTROL, 3-PH BANK, AVG VOLTS	1-040-140	1	-	
b	CAPACITOR, BANK CONTROL, DIGITAL	1-040-145	-	1	
c	BOLT, MACHINE, 5/8 X 14 w/NUT	1-325-185	-	2	
e	WASHER, SQUARE/CURVED, 3"	1-325-733	-	2	
f	WASHER, LOCK, 5/8"	1-325-760	-	2	

CAPACITOR BANK CONTROLS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: APRIL 26, 2013
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

CAPBKCTRLA
CAPBKCTRLD

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FIBER OPTICS

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	ADSS FIBER OPTIC CABLE, SINGLE MODE -- (SELF SUPPORTED)		
ADSS006	CABLE, FIBER OPTIC, 6 FIBERS ADSS	1-400-115	1'
ADSS024	CABLE, FIBER OPTIC, 24 FIBERS ADSS	1-400-110	1'
ADSS096	CABLE, FIBER OPTIC, 96 FIBERS ADSS	1-400-105	1'
ADSS144	CABLE, FIBER OPTIC, 144 FIBERS ADSS	1-400-100	1'
ADSS288	CABLE, FIBER OPTIC, 288 FIBERS ADSS	1-400-102	1'
	ADSS FIBER OPTIC CABLE, SINGLE MODE -- (LASHED)		
ADSS006L	CABLE, FIBER OPTIC, 6 FIBERS ADSS	1-400-115	1'
ADSS024L	CABLE, FIBER OPTIC, 24 FIBERS ADSS	1-400-110	1'
ADSS096L	CABLE, FIBER OPTIC, 96 FIBERS ADSS	1-400-105	1'
ADSS144L	CABLE, FIBER OPTIC, 144 FIBERS ADSS	1-400-100	1'
ADSS288L	CABLE, FIBER OPTIC, 288 FIBERS ADSS	1-400-102	1'
	ADSS FIBER OPTIC CABLE -- (LASHED) (NCDOT INSTALLED)		
ADDOT036L	CABLE, FIBER OPTIC, 36 FIBERS ADSS	-	1'
ADDOT096L	CABLE, FIBER OPTIC, 96 FIBERS ADSS	-	1'
ADDOT144L	CABLE, FIBER OPTIC, 144 FIBERS ADSS	-	1'
	ADAC FIBER OPTIC CABLE, SINGLE MODE -- (LASHED)		
ADAC144	CABLE, FIBER OPTIC, 144 FIBERS, FOR PREINSTALLED MESSENGER	1-400-101	1'
	PLENUM RATED FIBER OPTIC CABLE --OVERHEAD INSTALLATION		
FOCPR12S	CABLE, PLENUM, FIBER OPTIC, 12 FIBERS, SINGLE MODE **	1-400-112	1'
FOCPR12M	CABLE, PLENUM, FIBER OPTIC, 12 FIBERS, MULTI-MODE **	1-400-113	1'
	** USE WITHIN BUILDINGS AND/OR FROM SPLICE POINT TO BUILDING		
	NON ARMORED, LOOSE TUBE FIBER OPTIC CABLE --OVERHEAD INSTALLATION		
FOCLT144S	CABLE, FIBER OPTIC, 144 FIBERS, LOOSE TUBE, SINGLE MODE	1-400-106	1'

FIBER OPTIC CABLES
OVERHEAD CONSTRUCTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: W.R.W.3	DATE: JULY 29, 2004
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revision: JUNE 17, 2009

ASSEMBLY ID.

FIBER OPTIC CABLES SHEET 1

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	ADSS FIBER OPTIC CABLE -- *UNDERGROUND INSTALLATION*		
ADSS006UG	CABLE, FIBER OPTIC, 6 FIBERS, ADSS	1-400-115	1'
ADSS024UG	CABLE, FIBER OPTIC, 24 FIBERS, ADSS	1-400-110	1'
ADSS096UG	CABLE, FIBER OPTIC, 96 FIBERS, ADSS	1-400-105	1'
ADSS144UG	CABLE, FIBER OPTIC, 144 FIBERS, ADSS	1-400-100	1'
ADSS288UG	CABLE, FIBER OPTIC, 288 FIBERS, ADSS	1-400-102	1'
	ADSS FIBER OPTIC CABLE -- *UNDERGROUND INSTALLATION -- NCDOT INSTALLED*		
ADDOT036UG	CABLE, FIBER OPTIC, 36 FIBERS, ADSS	-	1'
ADDOT096UG	CABLE, FIBER OPTIC, 96 FIBERS, ADSS	-	1'
ADDOT144UG	CABLE, FIBER OPTIC, 144 FIBERS, ADSS	-	1'
	PLENUM RATED FIBER OPTIC CABLE -- *UNDERGROUND INSTALLATION*		
FOCPR12SUG	CABLE, PLENUM, FIBER OPTIC, 12 FIBERS, SINGLE MODE **	1-400-112	1'
FOCPR12MUG	CABLE, PLENUM, FIBER OPTIC, 12 FIBERS, MULTI-MODE **	1-400-113	1'
	**USE WITHIN BUILDINGS AND/OR FROM SPLICE POINT TO BUILDING		
	RISER TIGHT BUFFERED FIBER OPTIC CABLE -- *UNDERGROUND INSTALLATION*		
FOCTB06M	CABLE, RISER TIGHT BUFFERED, FIBER OPTIC, 6 FIBERS, MULTIMODE **	1-400-114	1'
	**USE WITHIN BUILDINGS AND/OR FROM SPLICE POINT TO BUILDING		
	NON ARMORED, LOOSE TUBE FIBER OPTIC CABLE -- *UNDERGROUND INSTALLATION*		
FOCLT144SUG	CABLE, FIBER OPTIC, 144 FIBERS, LOOSE TUBE, SINGLE MODE	1-400-106	1'

FIBER OPTIC CABLES
UNDERGROUND CONSTRUCTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: W.R.W.3	DATE: JANUARY 23, 2007
CHECKED BY:	SCALE: NONE
APPROVED BY:	Revised: JUNE 15, 2009

ASSEMBLY ID.

FIBER OPTIC CABLES SHEET 2

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
FSPL288	USED FOR SPLICING OF ALL FIBERS IN 288 FIBER CABLE (LABOR UNIT)	-	1
	MATERIALS REQUIRED ARE ISSUED AS "MINOR MATERIALS"		
FSPL144	USED FOR SPLICING OF ALL FIBERS 144 FIBER CABLE (LABOR UNIT)	-	1
	MATERIALS REQUIRED ARE ISSUED AS "MINOR MATERIALS"		
FSPL096	USED FOR SPLICING OF ALL FIBERS IN 96 FIBER CABLE (LABOR UNIT)	-	1
	MATERIALS REQUIRED ARE ISSUED AS "MINOR MATERIALS"		
FSPL024	USED FOR SPLICING OF ALL FIBERS IN 24 FIBER CABLE (LABOR UNIT)	-	1
	MATERIALS REQUIRED ARE ISSUED AS "MINOR MATERIALS"		
FSPL006	USED FOR SPLICING OF ALL FIBERS IN 6 FIBER CABLE (LABOR UNIT)	-	1
	MATERIALS REQUIRED ARE ISSUED AS "MINOR MATERIALS"		
FSPLONE	USED FOR SPLICING 1 FIBER IN ANY FIBER CABLE (LABOR UNIT)	-	1
	MATERIALS REQUIRED ARE ISSUED AS "MINOR MATERIALS"		
	MULTIPLE ASSEMBLIES MAY BE USED AS NEEDED		

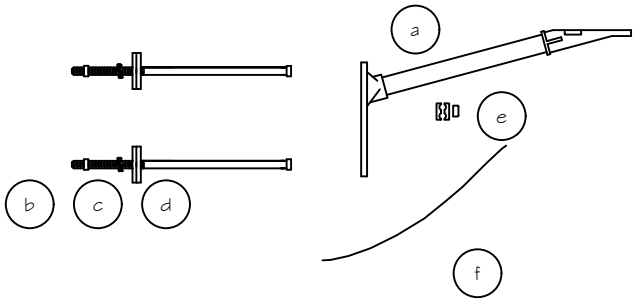
FIBER OPTIC CABLE SPLICES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

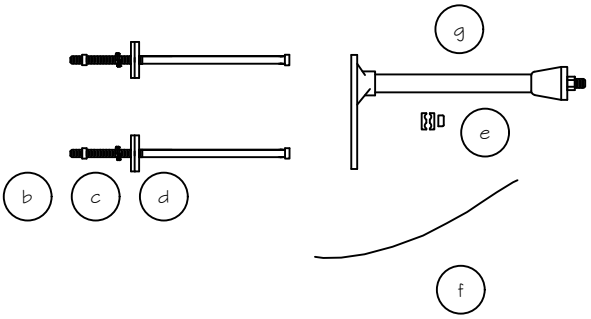
DRAWN BY: WRW 3	DATE: OCTOBER 18, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

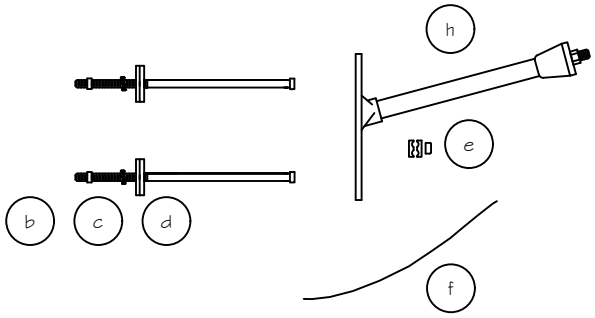
FSPLICE



FBKT3W



FBKTST



FBKTUS

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FBKT3W QUANTITY	FBKTST QUANTITY	FBKTUS QUANTITY
a	BRACKET, UPSWEEP, FIBERGLASS, 3-WAY, 18"	1-400-060	1	-	-
b	BOLT, MACHINE, 5/8" x 18"	1-325-195	2	2	2
c	WASHER, SQUARE/CURVED, 3"	1-325-760	2	2	2
d	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	2	2	2
e	CLAMP, GROUDING, 5/8"	1-050-074	1	1	1
f	CONDUCTOR, #4CU. SOFT	1-065-040	1'	1'	1'
g	BRACKET, STRAIGHT, FIBERGLASS, 18"	1-400-051	-	1	-
h	BRACKET, UPSWEEP, FIBERGLASS, 18"	1-400-050	-	-	1

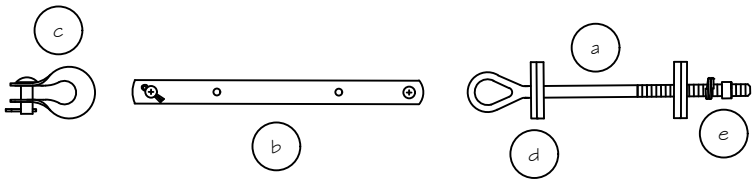
18" BRACKETS for FIBER OPTIC CONSTRUCTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

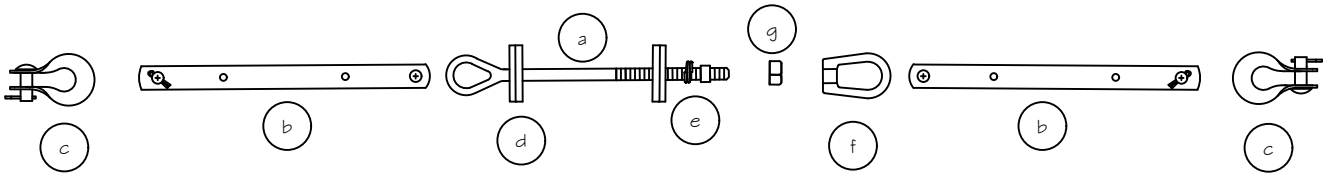
DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	Revised: July 06, 2006

ASSEMBLY ID.

FBKT3W
FBKTST
FBKTUS



FADE



FADDE

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FADE	FADDE	
			QUANTITY	QUANTITY	QUANTITY
a	BOLT, OVAL EYE, 5/8" x 18"	1-325-095	1	1	
b	LINK, EXTENSION, 14"	1-105-110	1	2	
c	CLEVIS, THIMBLE, 5/8"	1-055-040	1	2	
d	WASHER, SQUARE, CURVED, 3"	1-325-760	2	2	
e	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1-325-733	1	1	
f	NUT, EYE, 5/8"	1-325-525	-	1	
g	NUT, SQUARE, 5/8"	1-325-535	-	1	

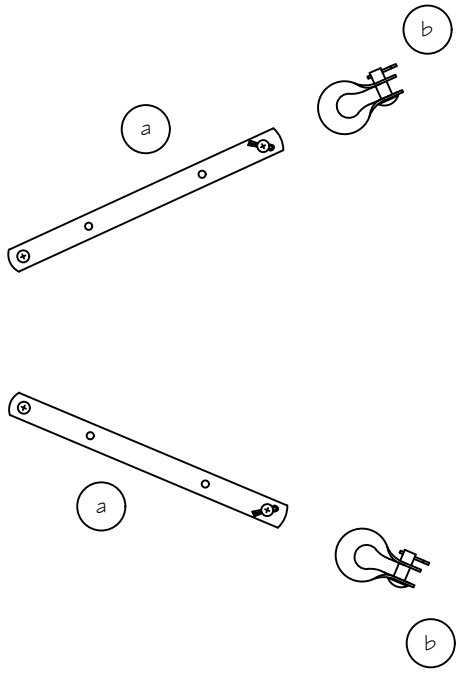
DEADENDS
for FIBER OPTIC CONSTRUCTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 11, 2003
CHECKED BY: WRW III	SCALE: NONE
APPROVED BY: WRW III	REVISED: JULY 7, 2006

ASSEMBLY ID.

FADE
FADDE



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FAANGLE QUANTITY	QUANTITY	QUANTITY
a	LINK, EXTENSION, 14"	1-105-110	2		
b	CLEVIS, THIMBLE, 5/8"	1-055-040	2		

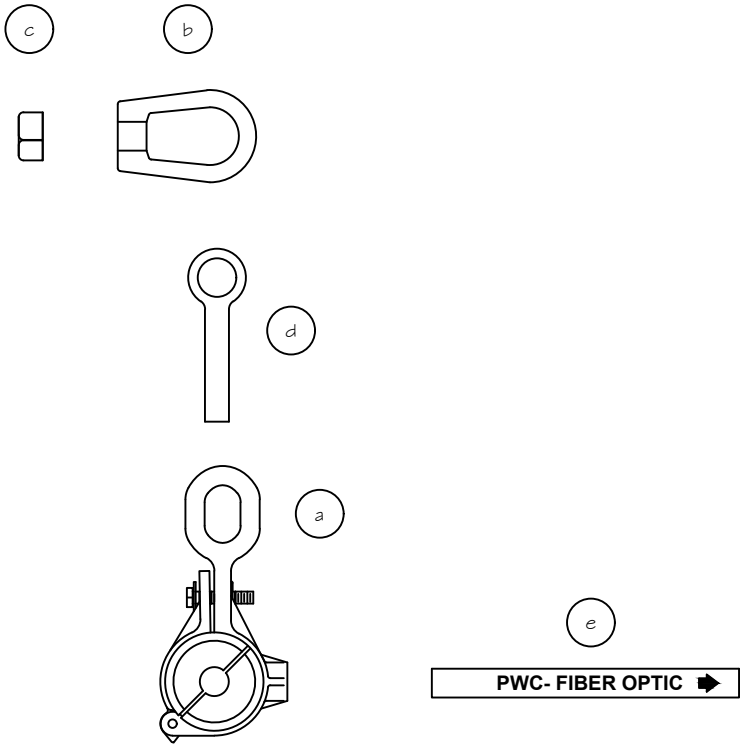
LARGE ANGLE for FIBER OPTIC CONSTRUCTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: M. BRADY	DATE: JUNE 12, 2003
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FAANGLE



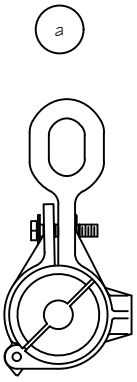
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FACS006	FACS024	FACS144
			QUANTITY	QUANTITY	QUANTITY
a	SUPPORT, FIXED TANGENT, FOC, 144 ADSS	1-400-020	-	-	1
a	SUPPORT, FIXED TANGENT, FOC, 24 ADSS	1-400-025	-	1	-
a	SUPPORT, FIXED TANGENT, FOC, 6 ADSS	1-400-025	1	-	-
b	EYENUT, 5/8"	1-325-525	1	1	1
c	NUT, SQUARE, 5/8'	1-325-535	1	1	1
d	SHACKLE, ANCHOR, 5/8"	1-010-840	1	1	1
e	MARKER, CABLE, SNAP-ON, 0.90"	1-400-300	1	1	1

SUSPENSION CABLE SUPPORTS for FIBER OPTIC CONSTRUCTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
FACS006
FACS024
FACS144



b

PWC- FIBER OPTIC

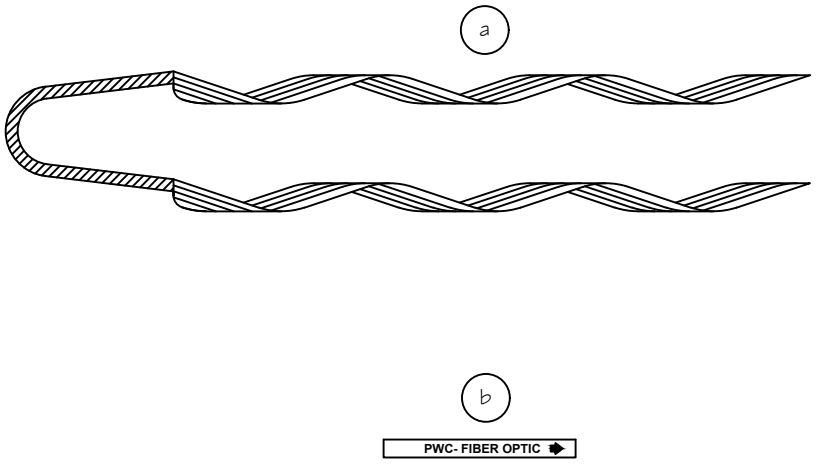
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FACT006	FACT024	FACT144
			QUANTITY	QUANTITY	QUANTITY
a	SUPPORT, FIXED TANGENT, FOC, 6 FIBERS ADSS	1-400-025	1	-	-
b	SUPPORT, FIXED TANGENT, FOC, 24 FIBERS ADSS	1-400-025	-	1	-
c	SUPPORT, FIXED TANGENT, FOC, 144 FIBERS ADSS	1-400-020	-	-	1
d	MARKER, CABLE, SNAP-ON, 0.90" CABLE	1-400-300	1	1	1

TANGENT CABLE SUPPORTS for FIBER OPTIC CONSTRUCTION

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
FACT006
FACT024
FACT144



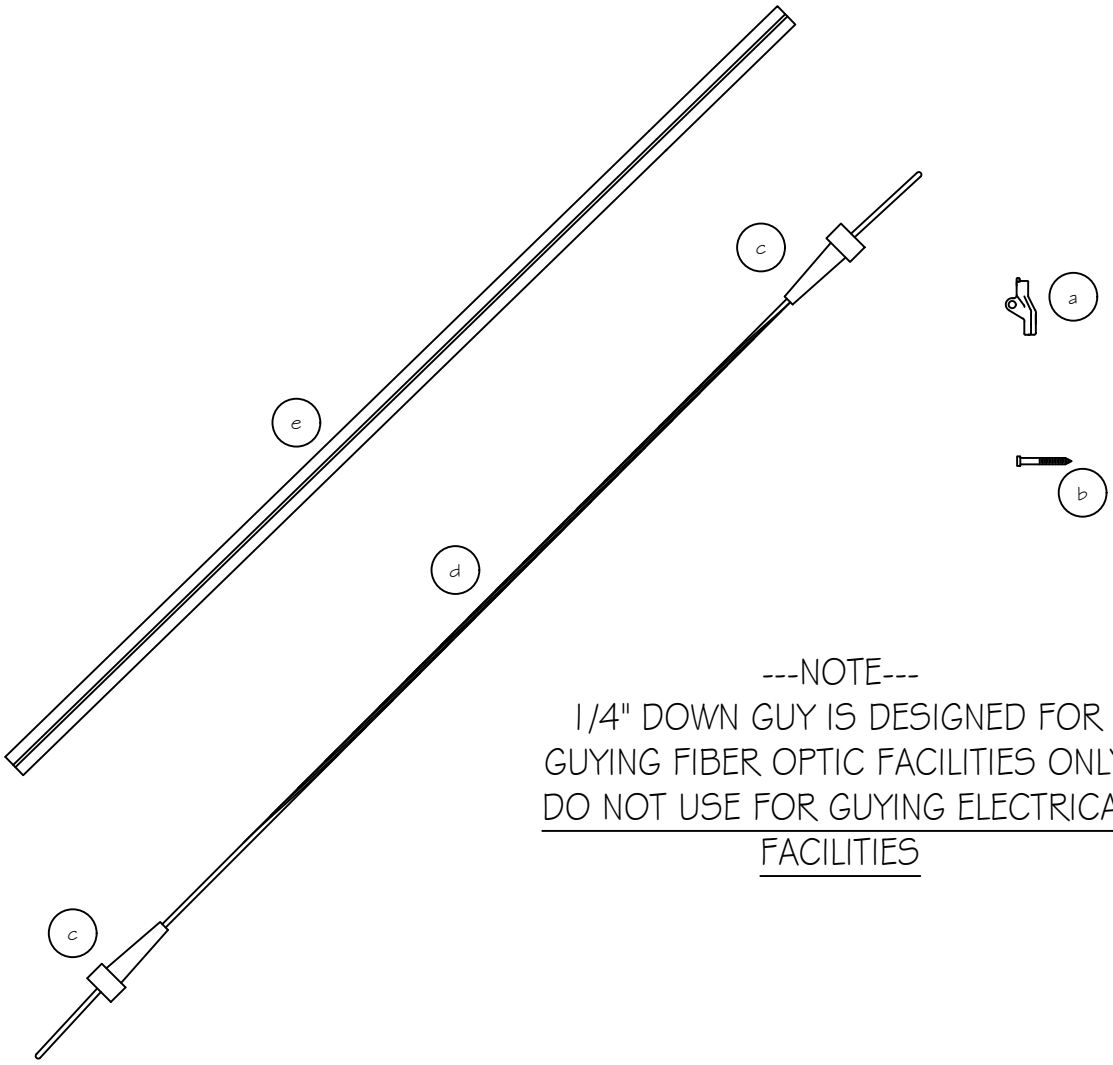
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FACD144	FACD024	FACD006
			QUANTITY	QUANTITY	QUANTITY
a	DEADEND, FIBER OPTIC CABLE, 144 FIBERS ADSS	1-400-012	1	-	-
a	DEADEND, FIBER OPTIC CABLE, 24 FIBERS ADSS	1-400-017	-	1	-
a	DEADEND, FIBER OPTIC CABLE, 24 FIBERS ADSS	1-400-017	-	-	1
b	MARKER, CABLE, SNAP-ON, 0.90" CABLE	1-400-300	1	1	1

CABLE DEADEND for FIBER OPTICE CONSTRUCITON

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
FACD144
FACD024
FACD006



---NOTE---
1/4" DOWN GUY IS DESIGNED FOR GUYING FIBER OPTIC FACILITIES ONLY. DO NOT USE FOR GUYING ELECTRICAL FACILITIES

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	GFO14 QUANTITY	QUANTITY	QUANTITY
a	ATTACHMENT, GUY, COMBINATION, 5/8"	1-010-887	1		
b	SCREW, LAG, 1/2" x 4"	1-325-145	1		
c	DEADEND, GUYSTRAND, AUTOMATIC, 1/4"	1-270-365	2		
d	1/4", SM GALVANIZED STEEL STRAND	1-010-510	40'		
e	GUARD, YELLOW PLASTIC	1-010-870	1		

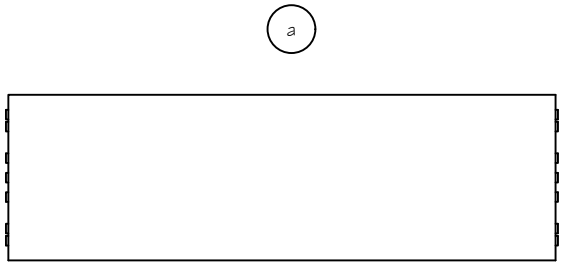
1/4" DOWN GUY for FIBER OPTIC CABLES

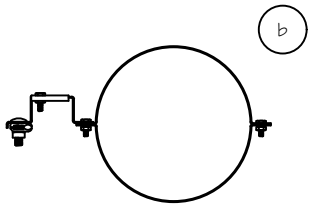
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: MAY 7, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

GFO14





ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FENC06A	FENC08A	
			QUANTITY	QUANTITY	QUANTITY
a	ENCLOSURE, SPLICE, FOC, STRAND, 6"	1-400-075	1	-	
a	ENCLOSRE, SPLICE, FOC, ADSS, 8"	1-400-070	-	1	
b	BRACKET, ADSS ENCLOSURE, AERIAL HANGING, 6"	1-400-073	1	-	
b	BRACKET, ENCLOSURE, AERIAL HANGING, 8"	1-400-076	-	1	

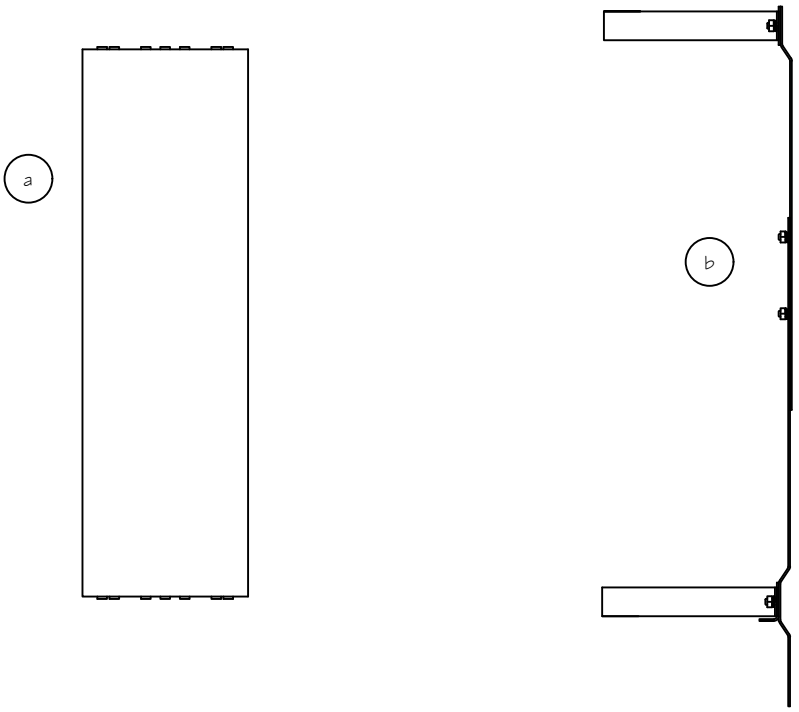
FIBER SPLICE ENCLOSURES (AERIAL HANGING)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FENC06A
FENC08A



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FENCE08P	FENCE10P	
			QUANTITY	QUANTITY	QUANTITY
a	ENCLOSURE, SPLICE, FOC, ADSS, 8"	1-400-070	1	-	
a	ENCLOSURE, SPLICE, FOC, ADSS, 10"	1-400-071	-	1	
b	BRACKET, ADSS ENCLOSRE, POLE MOUNT, 8"	1-400-074	1	-	
b	BRACKET, ADSS ENCLOSURE, POLE MOUNT, 10"	1-400-078	-	1	

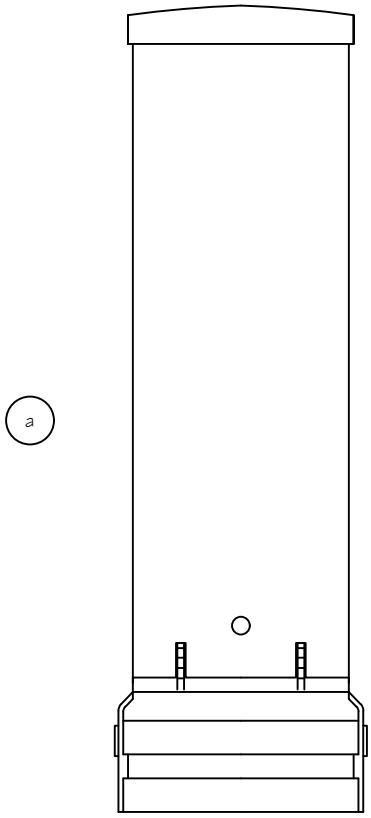
FIBER SPLICE ENCLOSURES (POLE MOUNT)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FENC08P
FENC10P



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FPED10		
			QUANTITY	QUANTITY	QUANTITY
a	PEDESTAL, FIBER, ENCLOSURE, BASE, 10"	1-400-380	1		

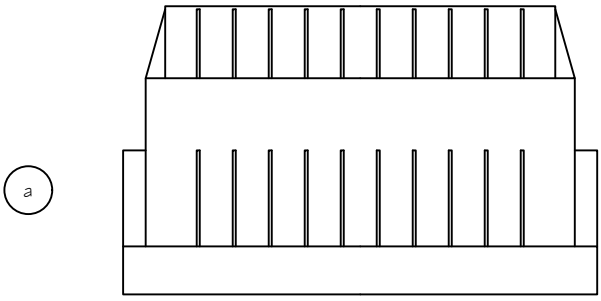
FIBER PEDESTAL ENCLOSURE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: NOVEMBER 4, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FPED10



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	HH17X30FBR QUANTITY	QUANTITY	QUANTITY
a	HANDHOLE, POLYMER, PEDESTAL BASE, 17" X 30" X 24"	1-400-395	1		

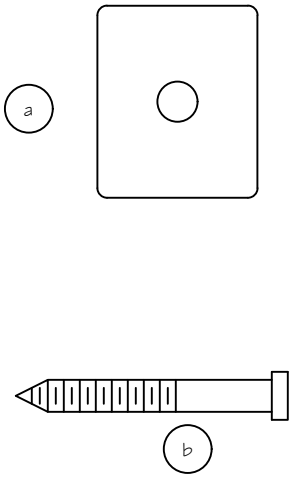
HANDHOLE 17" X 30" X 24"
FOR
FIBER PEDESTAL ENCLOSURE

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. LOWERY	DATE: NOVEMBER 4, 2014
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

HH17X30FBR



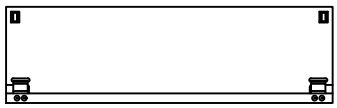
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FDLC006	FDLC024	FDLC096	FDLC144
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	CLAMP, DOWN LEAD CUSHION, 144 ADSS	1-400-090	-	-	1	1
a	CLAMP, DOWN LEAD CUSHION, 24 ADSS	1-400-095	1	1	-	-
b	SCREW, LAG, 1/2" x 4"	1-325-145	1	1	1	1

DOWN LEAD CUSHION CLAMP FOR 144, 96, 24 AND 6 FIBER CABLES

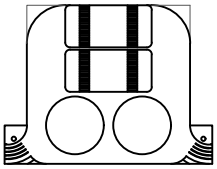
PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JULY 10, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

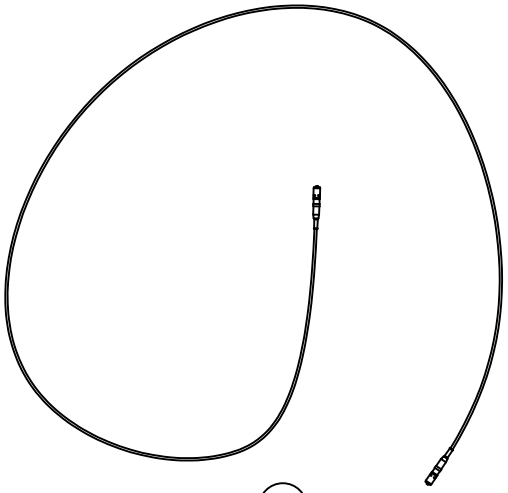
ASSEMBLY ID.
FDLC006
FDLC024
FDLC096
FDLC144



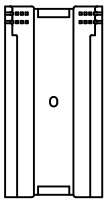
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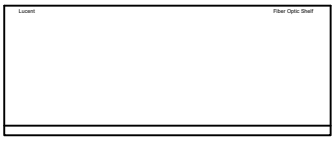
e



d



f



b



c

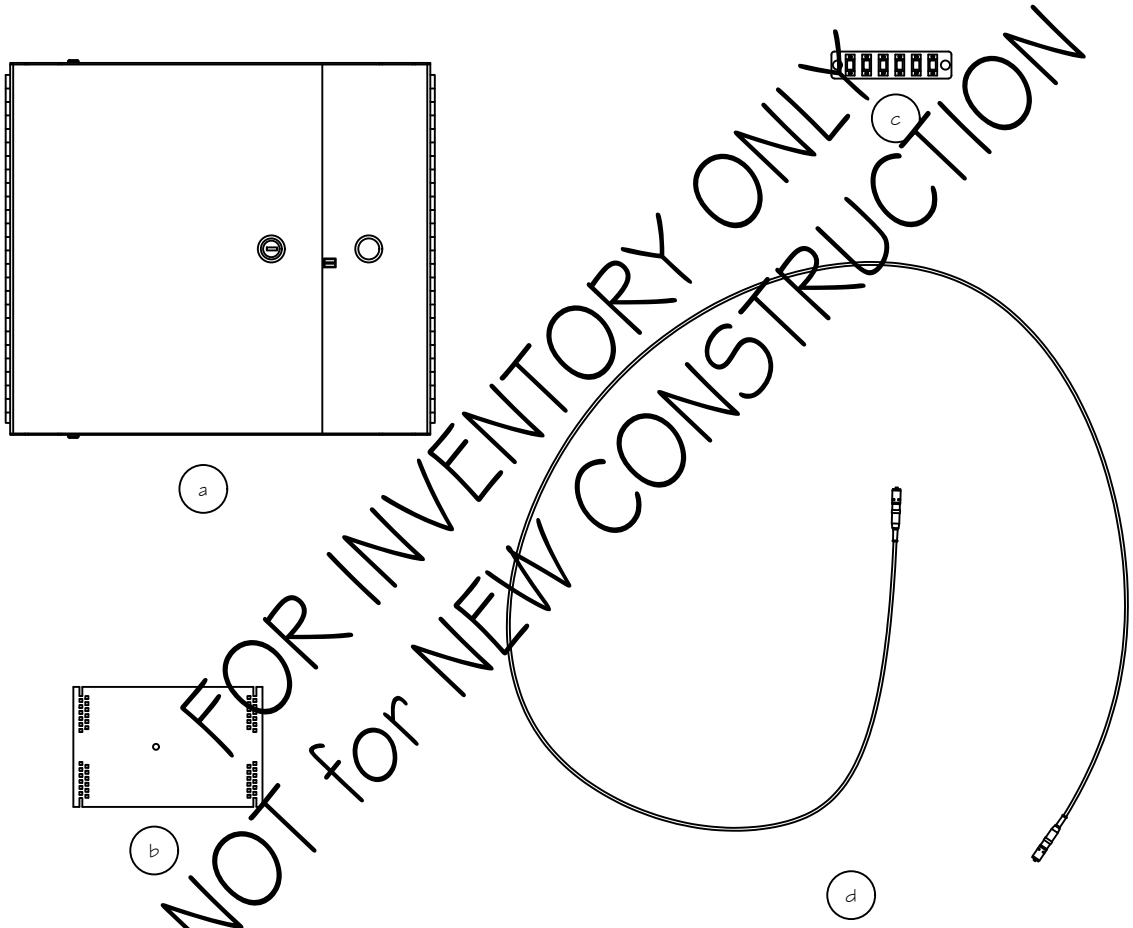
ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FPR144S	FPR024L	FPR006L	FPR144L
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
a	SHELF, PRE-TERMINATED, ALUM	1-400-321	1	-	-	-
a	SHELF, SPLICE/TERMINATION, COMBINATION	1-400-320	-	1	1	-
b	SHELF, TERMINATION FOR LGX	1-400-190	-	-	-	2
b	SHELF, SPLICE GUIDE	1-400-200	-	-	-	2
b	TRAY, SPLICE ORGANIZER	1-400-210	-	1	1	2
c	PLATE, ADAPTER, 6 PORTS	1-400-250	-	4	1	24
d	JUMPER CABLE, FIBER-OPTIC, 20'	1-400-160	-	12	3	72
e	BOX, FIBER, SPLICE, ALUM	1-400-322	1	-	-	-
f	TRAY, FIBER, SPICE, ALUM	1-400-323	12	-	-	-

RACK MOUNT FIBER PANELS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: OCTOBER 17, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
FPR144S
FPR024L
FPR006L
FPR144L



FOR INVENTORY ONLY
NOT for NEW CONSTRUCTION

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FPW024 QUANTITY	FPW006 QUANTITY	QUANTITY
a	ENCLOSURE, WALL MOUNT, 24 FIBERS	1-400-240	1	1	
b	TRAY, FUSION SPLICE, HEAT SHRINK MINI	1-400-260	2	1	
c	PLATE, ADAPTER, 6 PORTS	1-400-250	4	1	
d	JUMPER CABLE, FIBER-OPTIC, 20'	1-400-160	12	3	

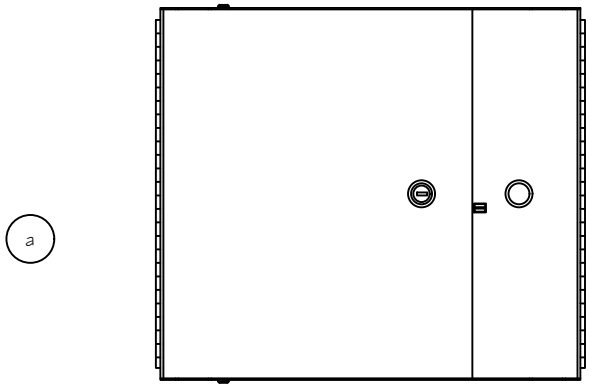
WALL MOUNT FIBER PANELS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: OCTOBER 18, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FPW024
FPW006



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FPWPT QUANTITY	QUANTITY	QUANTITY
a	ENCLOSURE, WALL MOUNT, PRE-TERMINATED	1-400-240	1		

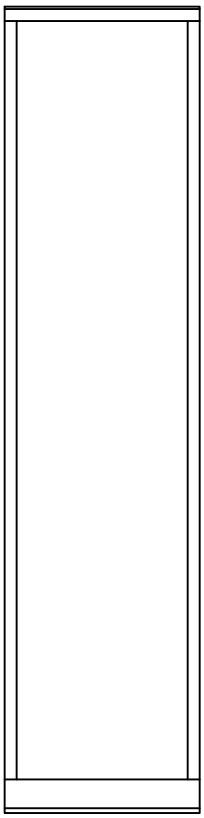
WALL MOUNT FIBER PANEL PRE-TERMINATED

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: WRW3	DATE: JANUARY 27, 2009
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FPWPT



a

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FRACK19 QUANTITY	QUANTITY	QUANTITY
a	RACK, EQUIPMENT, 19", ALUMINUM	1-400-315	1		

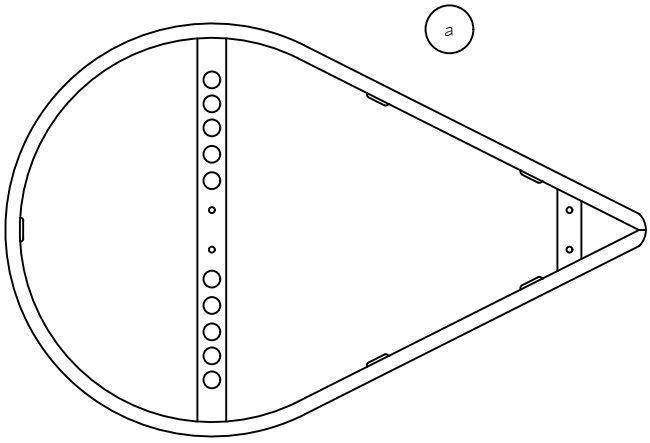
EQUIPMENT RACK 19"

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: OCTOBER 18, 2002
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FRACK19



ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FSHOE16A	FSHOE20A	FSHOE16P
			QUANTITY	QUANTITY	QUANTITY
a	GUIDE, BENDING RADIUS, ALL DIELECTRIC, 16", ALUMINUM	1-400-082	1	-	-
a	GUIDE, BENDING RADIUS, ALL DIELECTRIC, 20", ALUMINUM	1-400-080	-	1	-
a	SNO-SHOE, PLASTIC, ADJ., VAULT, 24 FIBER ADSS, PLASTIC, 16"	1-400-083	-	-	1

RADIUS BENDING GUIDE (SNO-SHOE)

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.
FSHOE16A
FSHOE20A
FSHOE16P



PWC- FIBER OPTIC

ITEM	MATERIAL DESCRIPTION	PWC STOCK NO.	FCBLMKR QUANTITY	QUANTITY	QUANTITY
a	MARKER, CABLE, SNAP-ON, 0.90" CABLE	1-400-300	1		

SNAP-ON CABLE MARKER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FCBLMKR

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	FIBER OPTIC LASHING WIRE		
FOLW45	WIRE, LASHING, .045"	1-400-103	1'
FOLW65	WIRE, LASHING, .065"	1-400-104	1'

FIBER OPTIC LASHING WIRE .45" & .65" DIAMETER

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: W.R.W.3	DATE: JULY 24, 2008
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

FIBER OPTIC LASHING

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	HDPE CONDUIT		
DUCT1H-COM	HDPE CONTINUOUS CONDUIT, 1-1/4"	1-070-230	1'
DUCT1HORG-COM	CONDUIT, CONTINUOUS HDPE, SDR-17, 3-REEL, 1 1/4", ORANGE	1-070-228	1'
	HDPE CONDUIT COUPLINGS, ELECTROFUSION/PUSH-TYPE		
DUCTCPL7PT-COM	COUPLING, PUSH-TYPE, HDPE, 1-1/4"	1-070-744	1
	TRACER WIRE FOR EMPTY CONDUIT INSTALLATIONS		
TRACERWIRE-COM	TAPE, 1/2", TONE WITH METAL WIRE	1-400-330	1'

HDPE CONTINUOUS CONDUIT AND ACCESSORIES

FIBER OPTICS / COMMUNICATIONS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE, N.C.

DRAWN BY: WRW3	DATE: JUNE 1, 2009
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

DUCTHDP
FO-COM

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
	PVC CONDUIT -- FIBER OPTICS / COMMUNICATIONS USE ONLY		
DUCT1P-COM	PVC CONDUIT, 1" RIGID	1-070-020	1'
DUCT2P-COM	PVC CONDUIT, 2" RIGID	1-070-030	1'
DUCT4P-COM	PVC CONDUIT, 4" RIGID	1-070-050	1'
	22.5 DEGREE PVC BENDS -- FIBER OPTICS / COMMUNICATIONS USE ONLY		
DUCT2P2C-COM	BEND, 2" PVC CONDUIT, 22.5 DEGREE, 24" RADIUS	1-070-450	1
DUCT4P2C-COM	BEND, 4" PVC CONDUIT, 22.5 DEGREE, 24" RADIUS	1-070-454	1
	45 DEGREE PVC BENDS -- FIBER OPTICS / COMMUNICATIONS USE ONLY		
DUCT2P4O-COM	BEND, 2" PVC CONDUIT, 45 DEGREE, 36" RADIUS	1-070-460	1
DUCT4P4C-COM	BEND, 4" PVC CONDUIT, 45 DEGREE, 24" RADIUS	1-070-464	1
	90 DEGREE PVC BENDS -- FIBER OPTICS / COMMUNICATIONS USE ONLY		
DUCT1P9A-COM	BEND, 1" PVC CONDUIT, 90 DEGREE, 9 1/2" RADIUS	1-070-565	1
DUCT2P9A-COM	BEND, 2" PVC CONDUIT, 90 DEGREE, 9 1/2" RADIUS	1-070-572	1
DUCT2P9O-COM	BEND, 2" PVC CONDUIT, 90 DEGREE, 36" RADIUS	1-070-570	1
DUCT4P9C-COM	BEND, 4" PVC CONDUIT, 90 DEGREE, 24" RADIUS	1-070-575	1
DUCT4P9O-COM	BEND, 4" PVC CONDUIT, 90 DEGREE, 36" RADIUS	1-070-573	1

PVC CONDUIT & ACCESSORIES
FIBER OPTICS / COMMUNICATIONS

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE, N.C.

DRAWN BY: WRW3	DATE: JUNE 1, 2009
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

DUCTPVC
FO-COM

ASSEMBLY ID.	MATERIAL DESCRIPTION	PWC STOCK NO.	QUANTITY
BDGS1012	ENCLOSURE, 10' x 12' STONE BUILDING	1-400-400	1
BDGM1012	ENCLOSURE, 10' x 12' METAL BUILDING	1-400-405	1
HVAC2TON	HEATPUMP, 2-TON, TWO-PIECE, FOR FIBER OPTIC BUILDING	1-400-410	1

ADSS FIBER OPTIC MISCELLANEOUS ASSEMBLIES

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: J. CHAMBERS	DATE: JUNE 30, 2001
CHECKED BY:	SCALE: NONE
APPROVED BY:	

ASSEMBLY ID.

ADSSMISC

APPENDIX B- STRUCTURE BOOK

Public Works Commission
Electric Systems Division

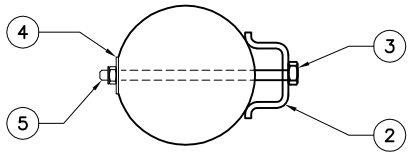
City of Fayetteville, North Carolina



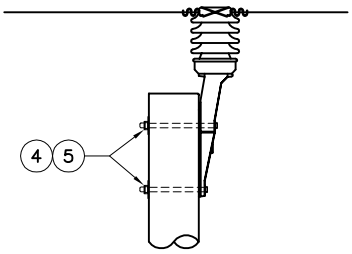
14.4/24.9 kV (25 kV)
Overhead Structure Manual

Revised June 2023

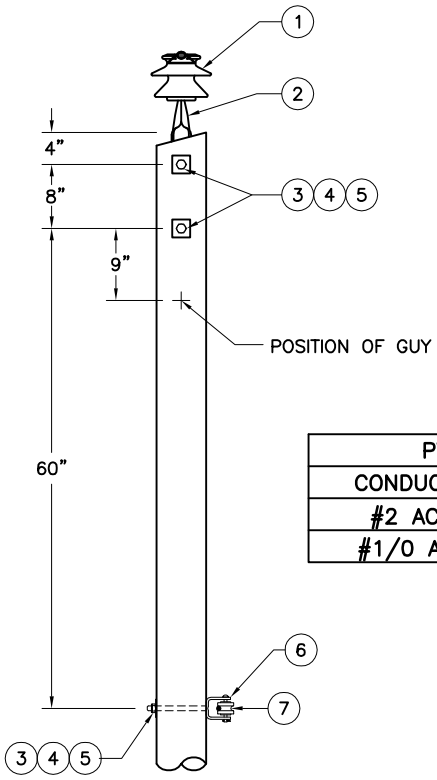
14.4/24.9 KV SINGLE PHASE STRUCTURES



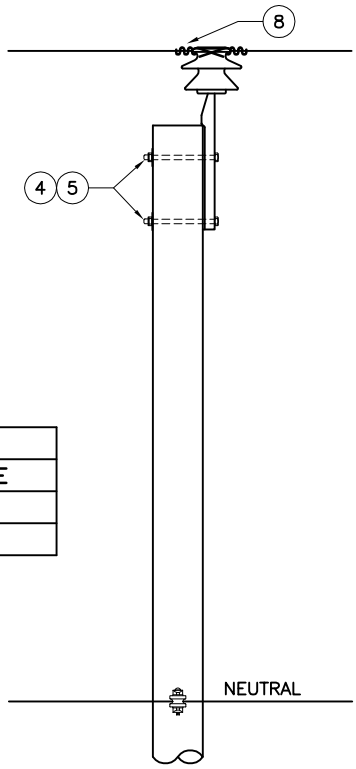
POLE TOP PIN ASSEMBLY



ALTERNATE



FRONT VIEW



SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE ANSI 55-6	1
2	1100568	PIN, POLE TOP 20" X 1"	1
3	1325180	BOLT, MACHINE 5/8" X 12"	3
4	1325760	WASHER, SQUARE/CURVED, 3"	3
5	1325733	WASHER, DOUBLE COIL, SPRING LOCK; 5/8"	3
6	1230010	CLEVIS, INSULATED SECONDARY/DEADEND	1
7	1160130	INSULATOR, SPOOL 53-2	1
8	1065010	WIRE, TIE, #4 SOLID ALUMINUM	8'

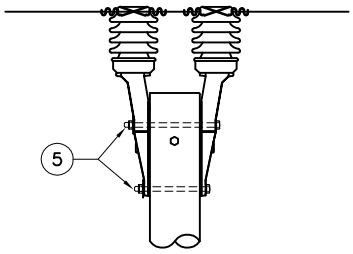
PWC REVISIONS			
1	6/2020	WRW3	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

PRIMARY, SINGLE PHASE
SINGLE SUPPORT, 25KV

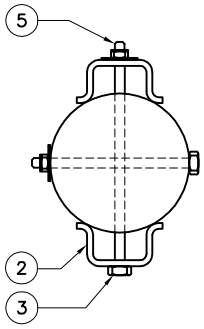
ELECTRICITIES

SCALE 1/2"=1'-0"

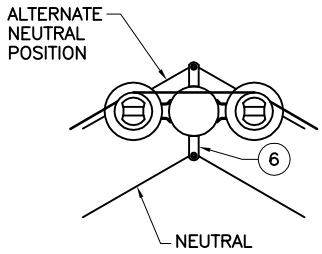
DWG. VA1EC



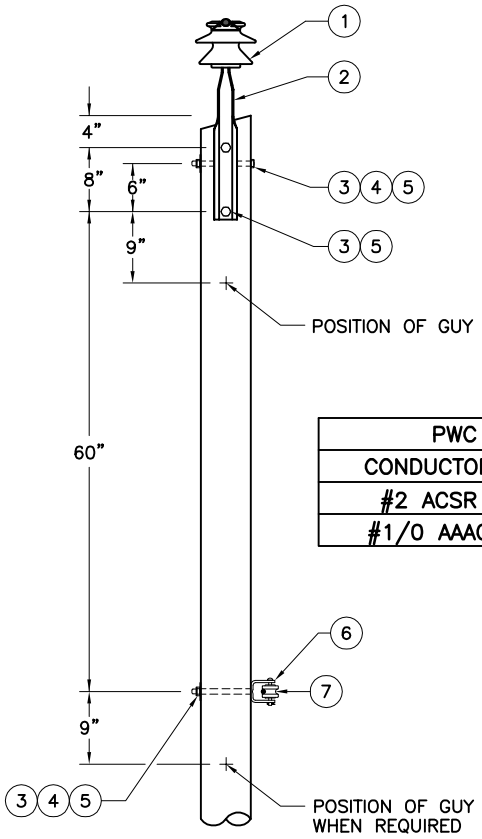
ALTERNATE



POLE TOP PIN ASSEMBLY

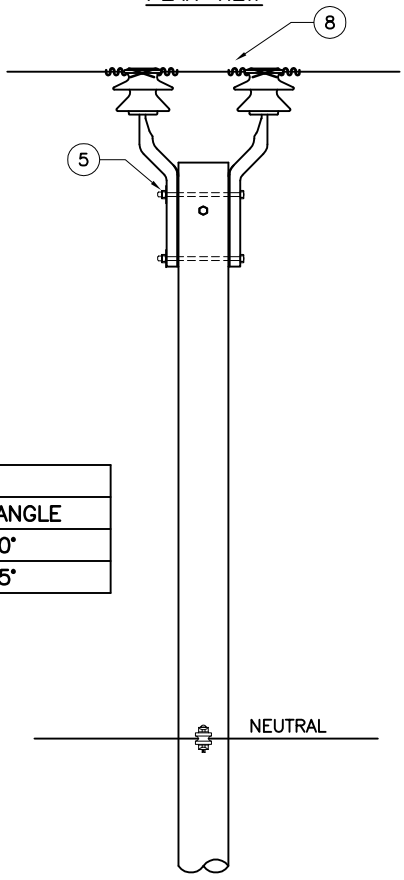


PLAN VIEW



SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°
#1/0 AAAC	25°



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

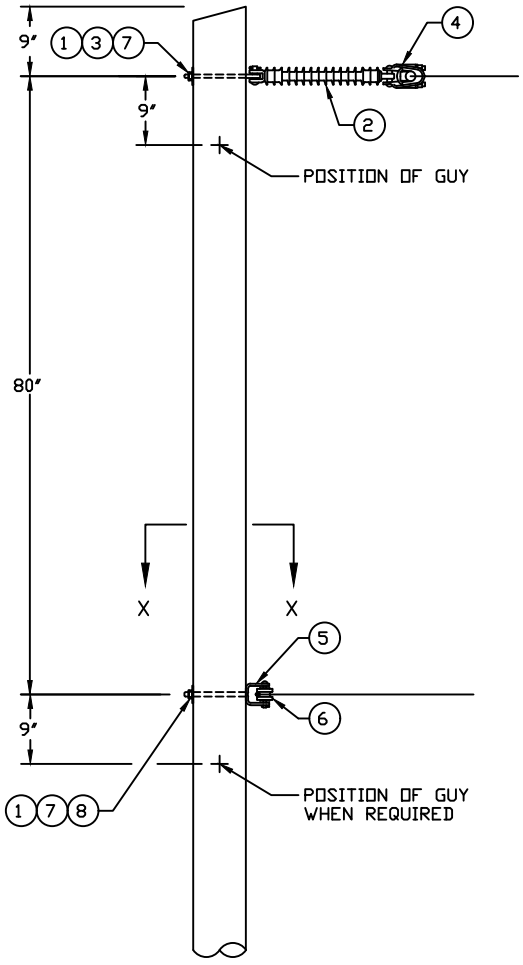
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE ANSI 55-6	2
2	1100572	PIN, POLE TOP, OFFSET, 21" X 1"	2
3	1325180	BOLT, MACHINE, 5/8" X 12"	4
4	1325760	WASHER, SQUARE/CURVED, 3"	3
5	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	4
6	1230010	CLEVIS, INSULATED SECONDARY/DEADEND	1
7	1160130	INSULATOR, SPOOL 53-2	1
8	1065010	WIRE, TIE, #4 SOLID ALUMINUM	16'

PWC REVISIONS			
1	6/2020	WRW3	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

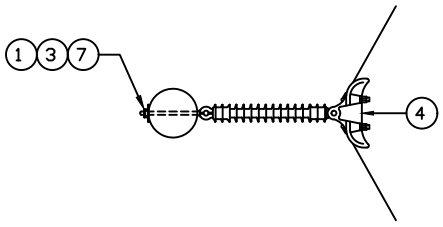
PRIMARY, SINGLE PHASE
DOUBLE SUPPORT, 25KV

ELECTRICITIES

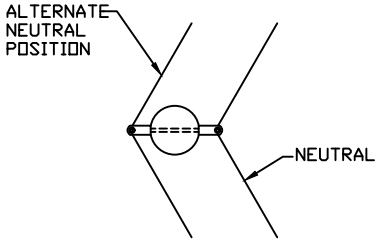
SCALE	DWG.
1/2"=1'-0"	VA2EC



FRONT VIEW



PLAN VIEW



SECTION X-X

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°–60°
#1/0 AAAC	25°–45°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3″	2
2	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	1
3	1325080	BOLT, OVAL EYE, 5/8″ X 12″ w/NUT	1
4	1050020	CLAMP, ANGLE SUSPENSION, #4-4/0 AL	1
5	1230010	CLEVIS, INSULATED SECONDARY/DEADEND	1
6	1160130	INSULATOR, SPOOL 53-2	1
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8″	2
8	1325180	INSULATOR, PIN TYPE	1

PWC REVISIONS			
3			
2			
1			
0	1/31/05	CADD GRAPHICS	DST
REVISED		BY	APPR.

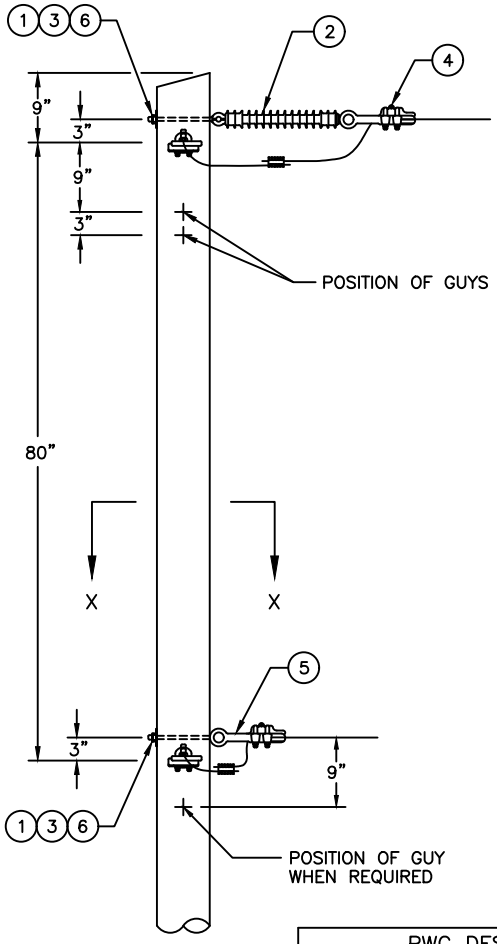
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

PRIMARY, SINGLE PHASE
SUSPENSION STRUCTURE, 25KV

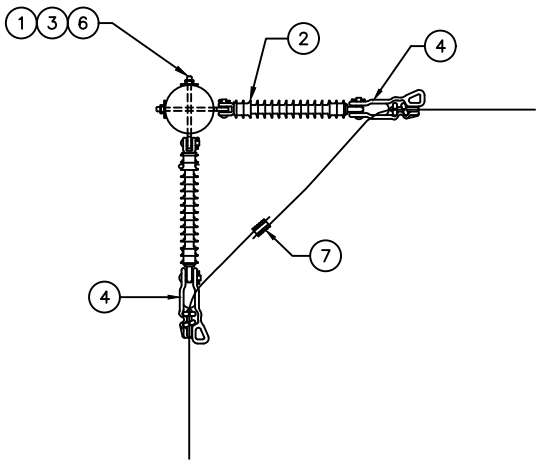
ELECTRICITIES

SCALE 1/2″=1′-0″

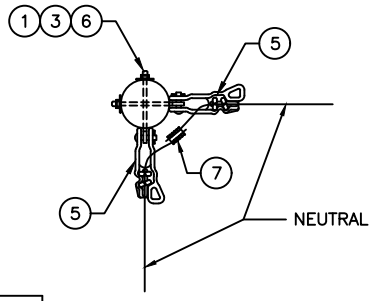
DWG. VA3EC



FRONT VIEW



PLAN VIEW



SECTION X–X

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	GREATER THAN 60°
#1/0 AAAC	GREATER THAN 45°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3"	4
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	2
3	1325080	BOLT, OVAL, EYE, 5/8" x 12" w/NUT	4
4	1050149	CLAMP, AL. STRAIGHT, AUTOMATIC D.E. #4–2/0 AL	2
5	1050149	CLAMP, AL. STRAIGHT, AUTOMATIC D.E. #4–4/0 AL	2
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	4
7	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7 AS REQ'D	2

PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

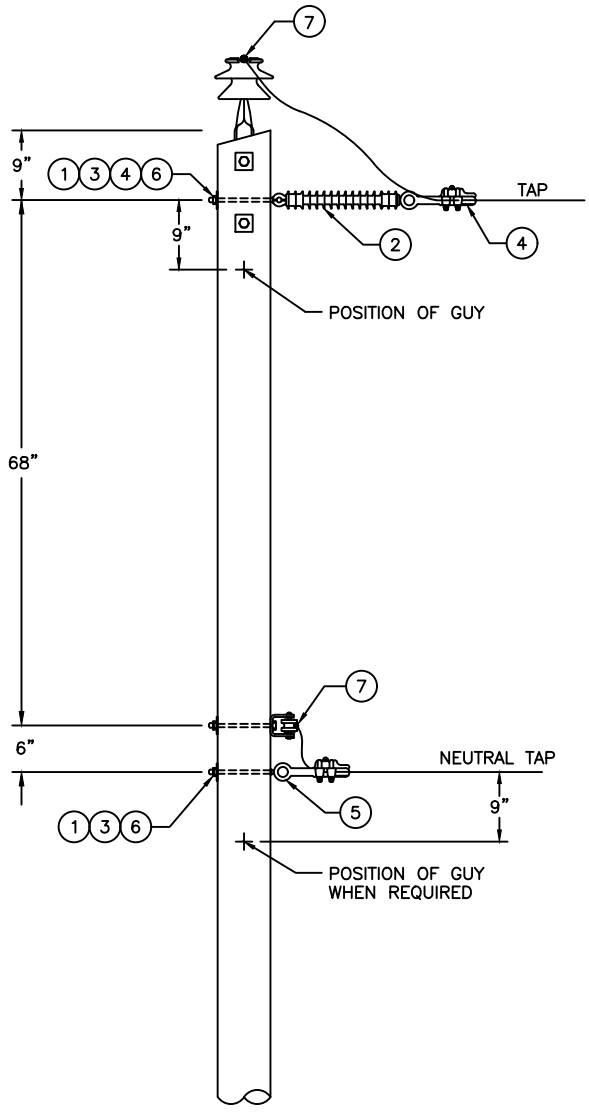
3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

PRIMARY, SINGLE PHASE
CORNER STRUCTURE, 25KV

ELECTRICITIES

SCALE 1/2"=1'–0"

DWG. VA4EC



NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3"	2
2	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	1
3	1325080	BOLT, OVAL, EYE, 5/8" X 12" w/NUT	2
4	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	1
5	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	1
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	2
7	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	1

PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

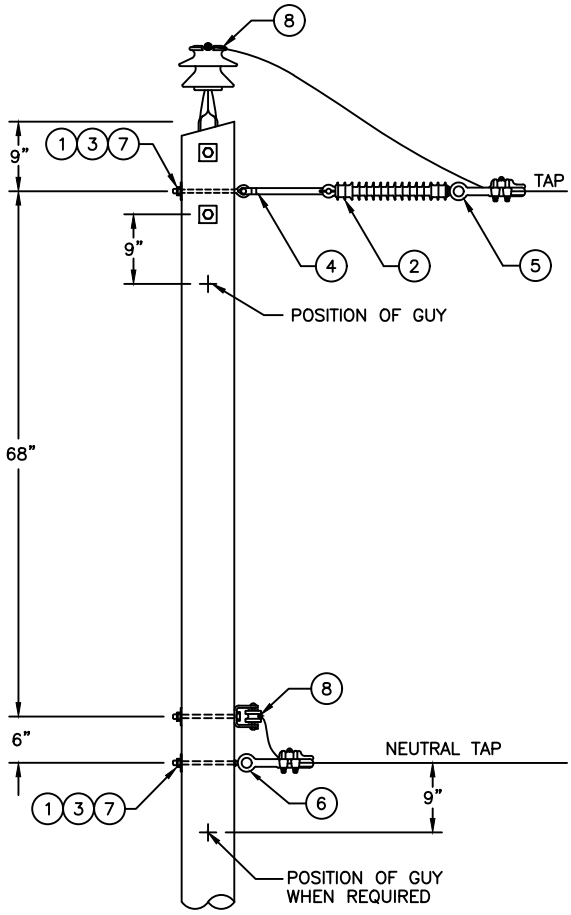
3			
2			
1			
0	8/25/04	CADD GRAPHICS	OST
REVISED		BY	APPR.

PRIMARY, SINGLE PHASE
TAP, 25KV

ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VA5-1EC



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3"	2
2	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	1
3	1325080	BOLT, OVAL, EYE, 5/8" x 12" w/NUT	2
4	1105110	LINK, EXTENSION, 14"	1
5	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	1
6	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	1
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	2
8	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	2

PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

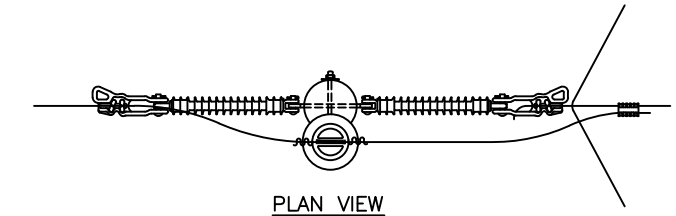
3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

PRIMARY, SINGLE PHASE
TAP, OFFSET, 25KV

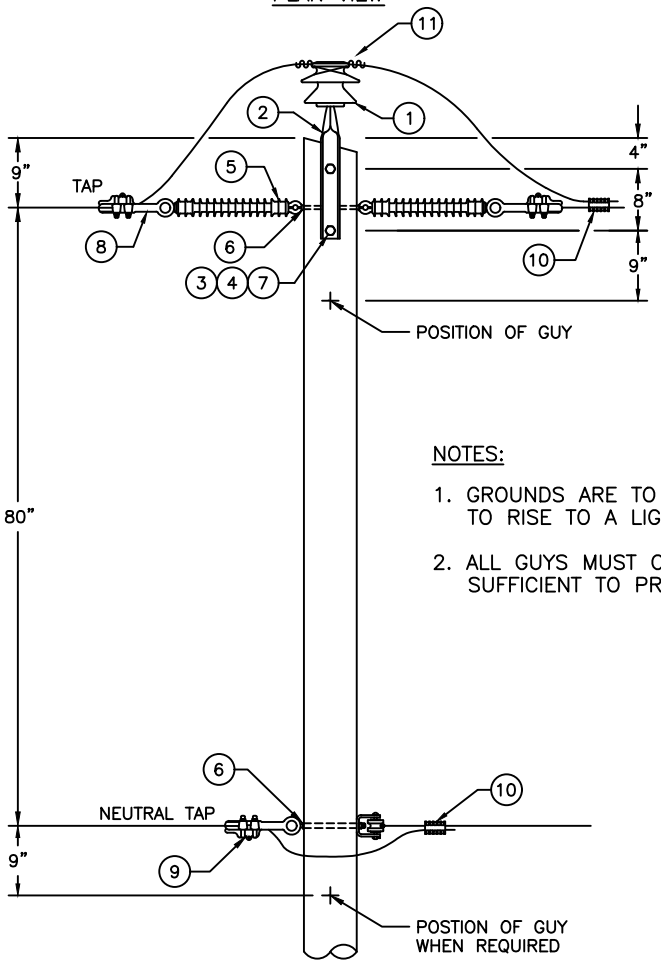
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VA5-2EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN–TYPE, ANSI 55–6	1
2	1100568	PIN, POLE TOP, 20" X 1"	1
3	1325080	BOLT, OVAL, EYE, 5/8" x 12" w/NUT	2
4	1325760	WASHER, SQUARE/CURVED, 3"	2
5	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	1
6	1325525	NUT, EYE, GALV, 5/8"	2
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	2
8	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4–2/0 AL	1
9	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4–2/0 AL	1
10	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	2
11	1065010	WIRE, TIE, #4 SOLID ALUMINUM	8'

PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

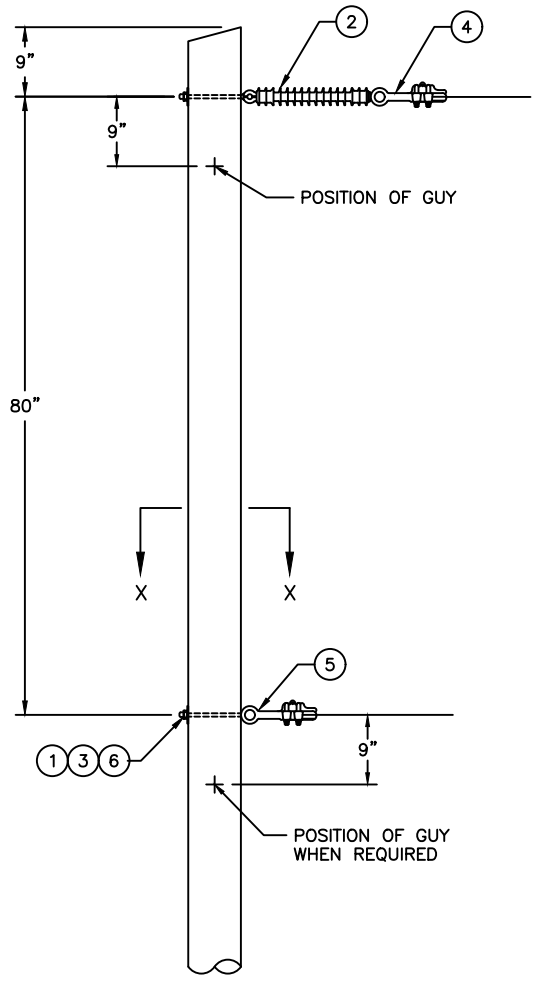
3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

PRIMARY, SINGLE PHASE
TAP OFF DEADEND, 25KV

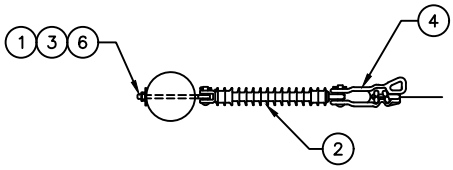
ELECTRICITIES

SCALE 1/2"=1'–0"

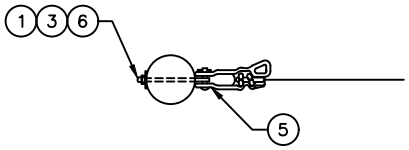
DWG. VA5–4EC



FRONT VIEW



PLAN VIEW



SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3"	2
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	1
3	1325080	BOLT, OVAL, EYE. 5/8" X 12" w/NUT	2
4	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4–2/0 AL	1
5	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4–2/0 AL	1
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	2

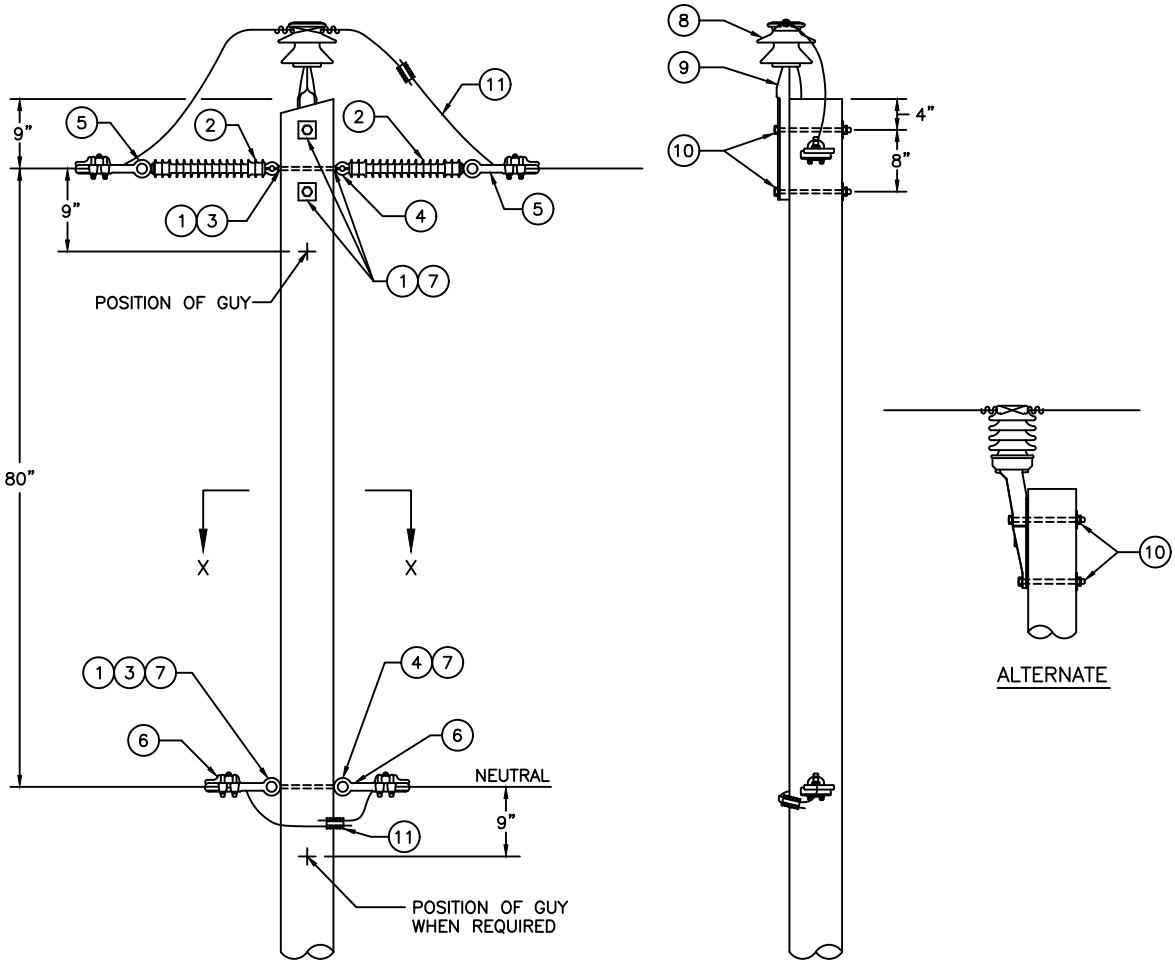
PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

PRIMARY, SINGLE PHASE
DEADEND STRUCTURE, 25KV

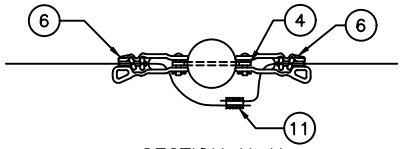
ELECTRICITIES

SCALE	DWG.
1/2"=1'–0"	VA5EC



FRONT VIEW

SIDE VIEW



SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUYS STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3"	6
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	2
3	1325180	BOLT, MACHINE, 5/8" X 12"	2
4	1325530	NUT, EYE, GALV, 3/4"	2
5	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4–2/0 AL	2
6	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4–2/0 AL	2
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	4
8	1160065	INSULATOR, PIN–TYPE, ANSI 55–6	1
9	1100568	PIN, POLE TOP, 20" X 1"	1
10	1325180	BOLT, MACHINE, 5/8" X 12"	2
11	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	1
12	1065010	WIRE, TIE, #4 SOLID ALUMINUM	8'

REVISED		BY	APPR
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST

PWC REVISIONS

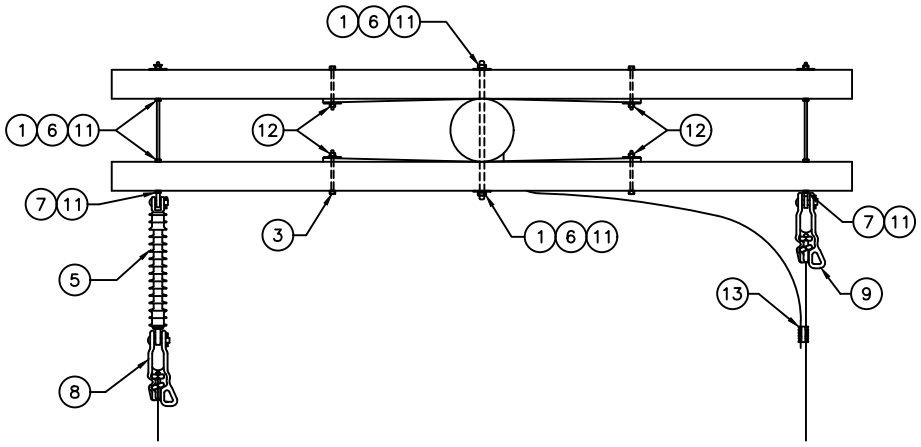
REVISED		BY	APPR.
3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST

PRIMARY, SINGLE PHASE
DOUBLE DEADEND, 25KV

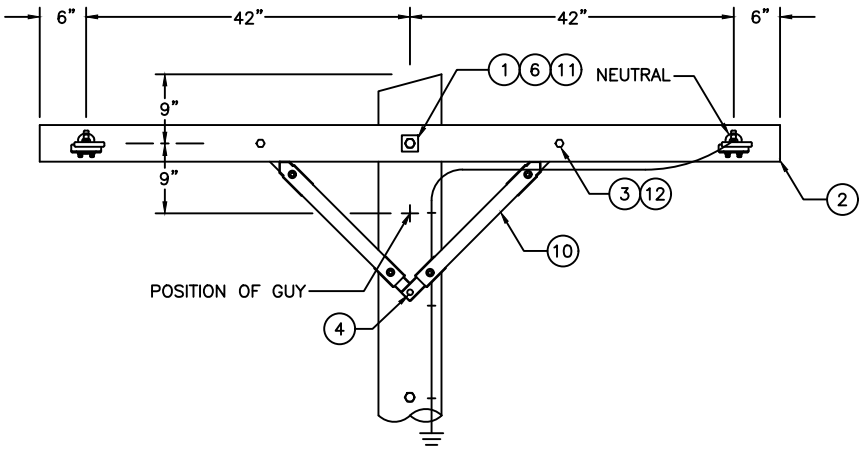
ELECTRICITIES

SCALE 1/2"=1'–0"

DWG. VA6EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3"	10
2	1100010	CROSSARM, 8 FOOT, WOOD	2
3	1325005	BOLT, CARRIAGE, GALV, 3/8 X 4-1/2" W/NUT	4
4	1325145	SCREW, LAG, GALV., 1/2" X 4"	2
5	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	1
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20"	3
7	1325535	NUT, SQUARE, 5/8"	2
8	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	1
9	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	1
10	1100530	BRACE, CROSSARM, WOOD 38 X 18, PAIR	2
11	1325740	WASHER, SPRING LOCK, 5/8"	10
12	1325710	WASHER, FLAT ROUND, 3/8"	4
13	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	2

PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

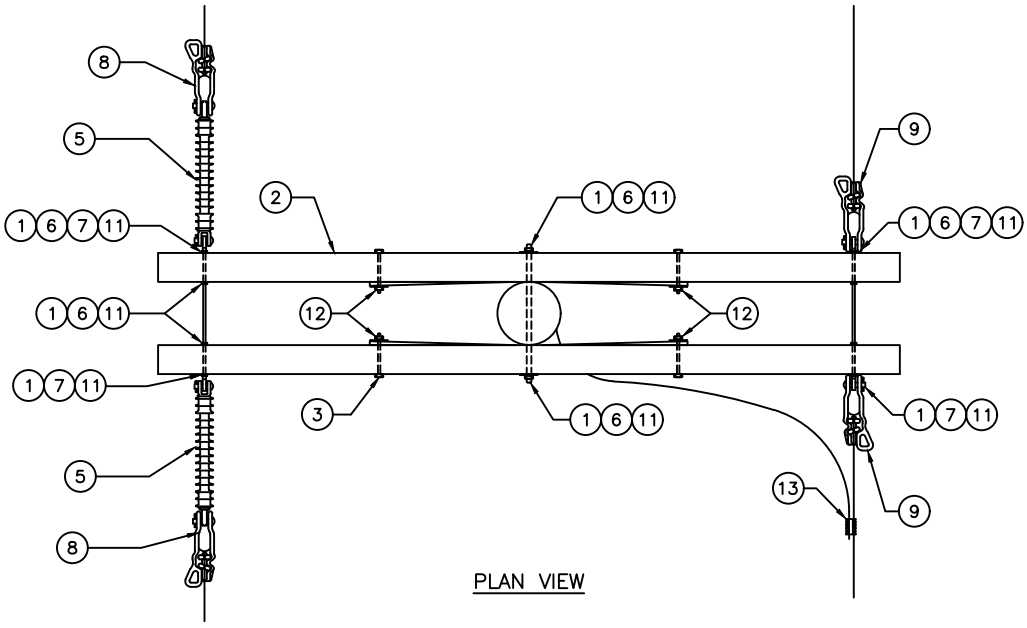
3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION, PRIMARY
SINGLE PHASE, DEADEND, 25KV

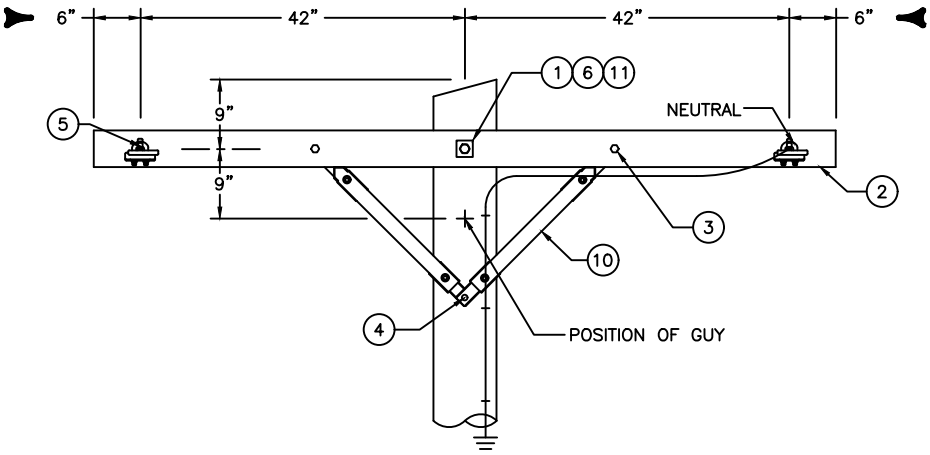
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VA7EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE/CURVED, 3"	10
2	1100010	CROSSARM, 8 FOOT, WOOD	2
3	1325005	BOLT, CARRIAGE, GALV, 3/8 X 4-1/2" W/NUT	4
4	1325145	SCREW, LAG, GALV., 1/2" X 4"	2
5	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	2
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20"	3
7	1325535	NUT, SQUARE, 5/8"	4
8	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	2
9	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4-2/0 AL	2
10	1100530	BRACE, CROSSARM, WOOD 38 X 18, PAIR	2
11	1325740	WASHER, SPRING LOCK, 5/8"	10
12	1325710	WASHER, FLAT ROUND, 3/8"	4
13	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	2

PWC REVISIONS

3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWCOST
1	02/10/09	WJ	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

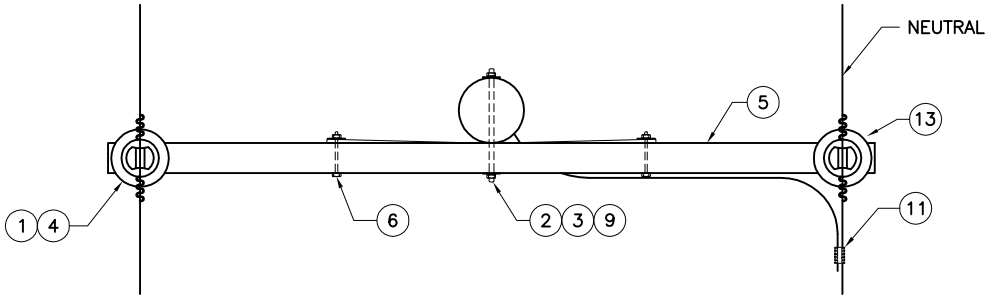
3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION PRIMARY SINGLE PHASE DOUBLE DEADEND, 25KV

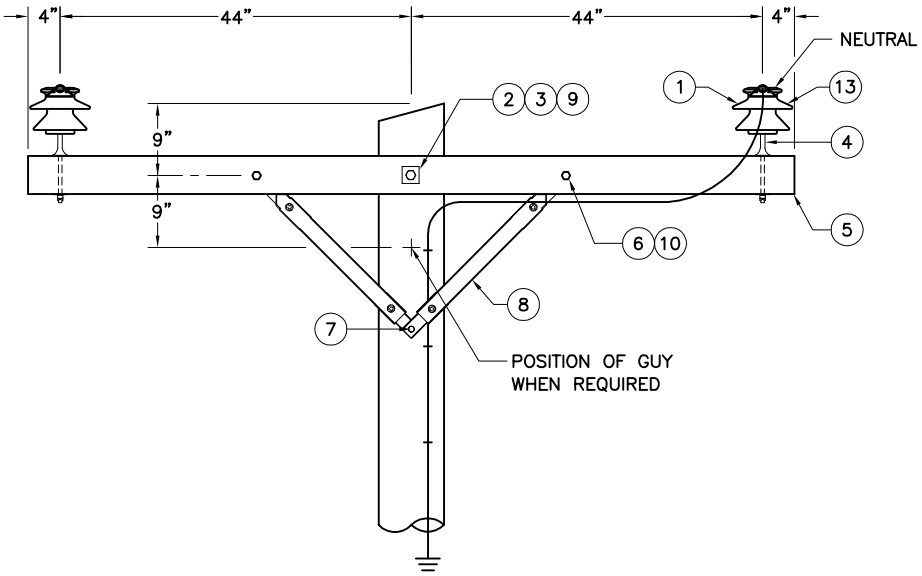
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VA8EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATOR PER NESC 220B2B.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, 55-6, 25 KV	1
2	1325190	BOLT, MACHINE, 5/8" X 16"	1
3	1325760	WASHER, SQUARE/CURVED, 3"	2
4	1100562	PIN, CROSSARM, 1" X 6"	2
5	1100010	CROSSARM, 8 FOOT, WOOD	1
6	1325005	BOLT, CARRIAGE, GALV, 3/8 X 4-1/2" W/NUT	2
7	1325145	SCREW, LAG, GALV., 1/2" X 4"	1
8	1100530	BRACE, CROSSARM, WOOD 38 X 18, PAIR	1
9	1325740	WASHER, SPRING LOCK, 5/8"	1
10	1325710	WASHER, FLAT ROUND, 3/8"	2
11	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	2
12	1065010	WIRE, TIE, #4 SOLID ALUMINUM	8'
13	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	1

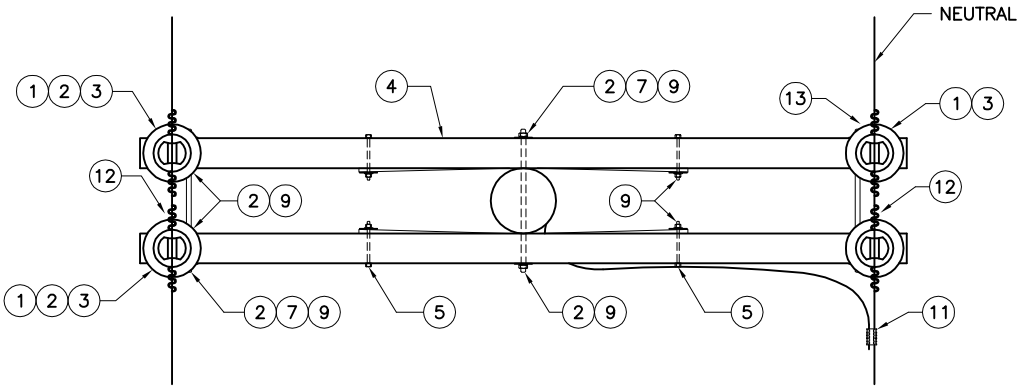
PWC REVISIONS			
3	6/2020	WRW3	PWCOST
2	09/21/09	JLL	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

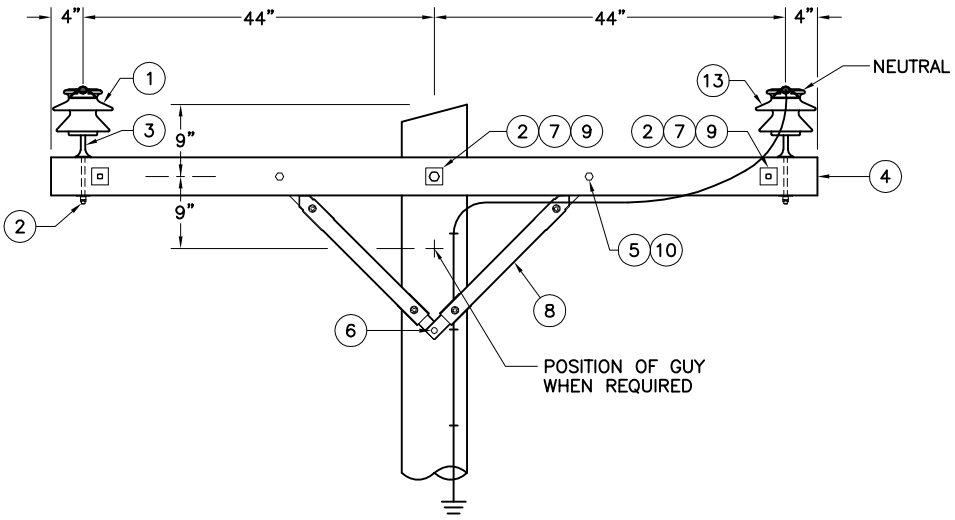
CROSSARM CONSTRUCTION
PRIMARY, SINGLE PHASE
NEUTRAL ON SINGLE ARM, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'-0"	VA9-1EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATOR PER NESC 220B2B.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, 55-6, 25 KV	2
2	1325760	WASHER, SQUARE/CURVED, 3"	10
3	1100562	PIN, CROSSARM, 1" X 6"	4
4	1100010	CROSSARM, 8 FOOT, WOOD	2
5	1325005	BOLT, CARRIAGE, GALV, 3/8 X 4-1/2" W/NUT	4
6	1325145	SCREW, LAG, GALV., 1/2" X 4"	2
7	1325025	BOLT, DOUBLE ARMING, 5/8" X 20"	3
8	1100530	BRACE, CROSSARM, WOOD 38 X 18, PAIR	2
9	1325740	WASHER, SPRING LOCK, 5/8"	10
10	1325710	WASHER, FLAT ROUND, 3/8"	4
11	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	2
12	1065010	WIRE, TIE, #4 SOLID ALUMINUM	16'
13	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	2

PWC REVISIONS			
3	6/2020	WRW3	PWCOST
2	09/21/09	JLL	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	WJ	PWCOST
REVISED		BY	APPR

3			
2			
1			
0	1/31/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

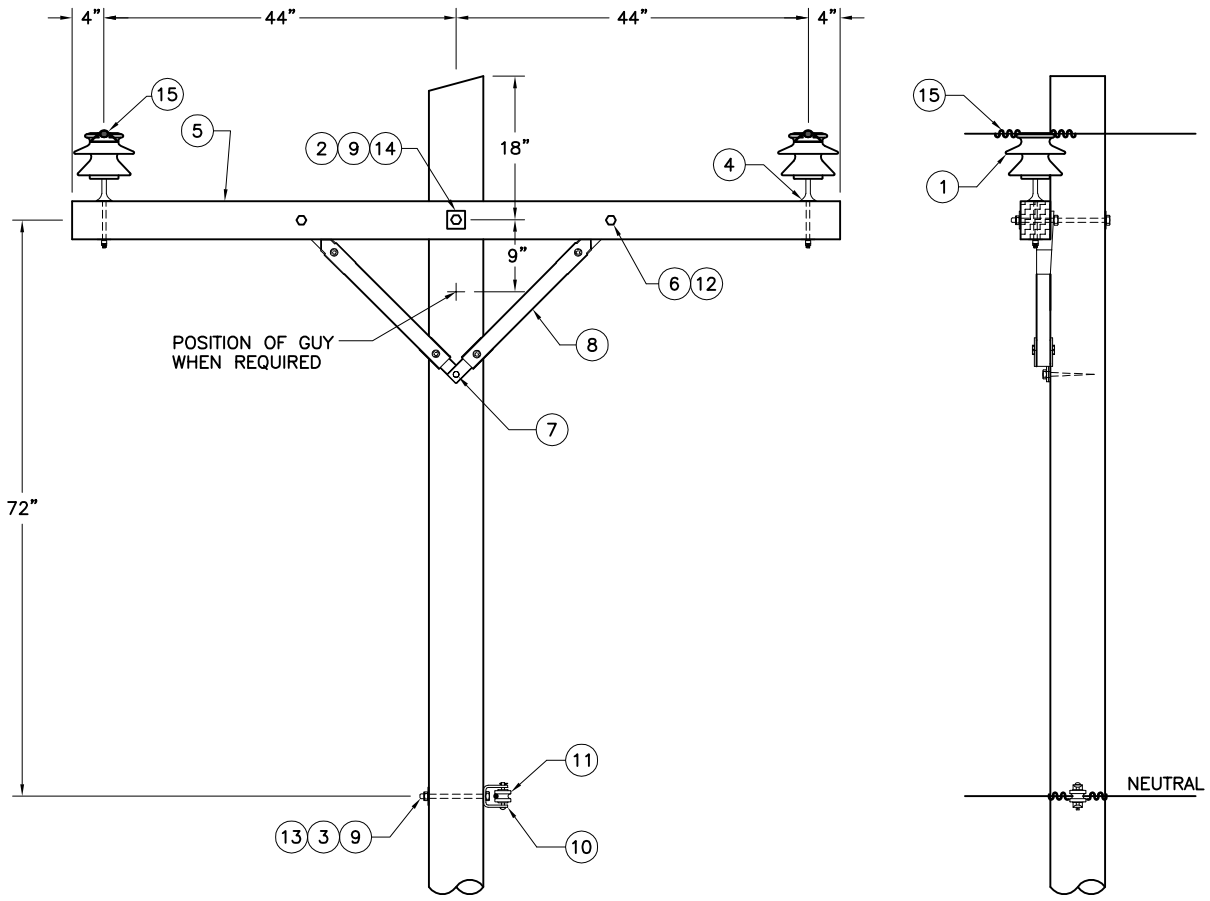
CROSSARM CONSTRUCTION PRIMARY, SINGLE PHASE, NEUTRAL ON DOUBLE LINE ARM, 25KV

ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VA9EC

14.4/24.9 KV OPEN WYE (V-PHASE) STRUCTURES



FRONT VIEW

SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

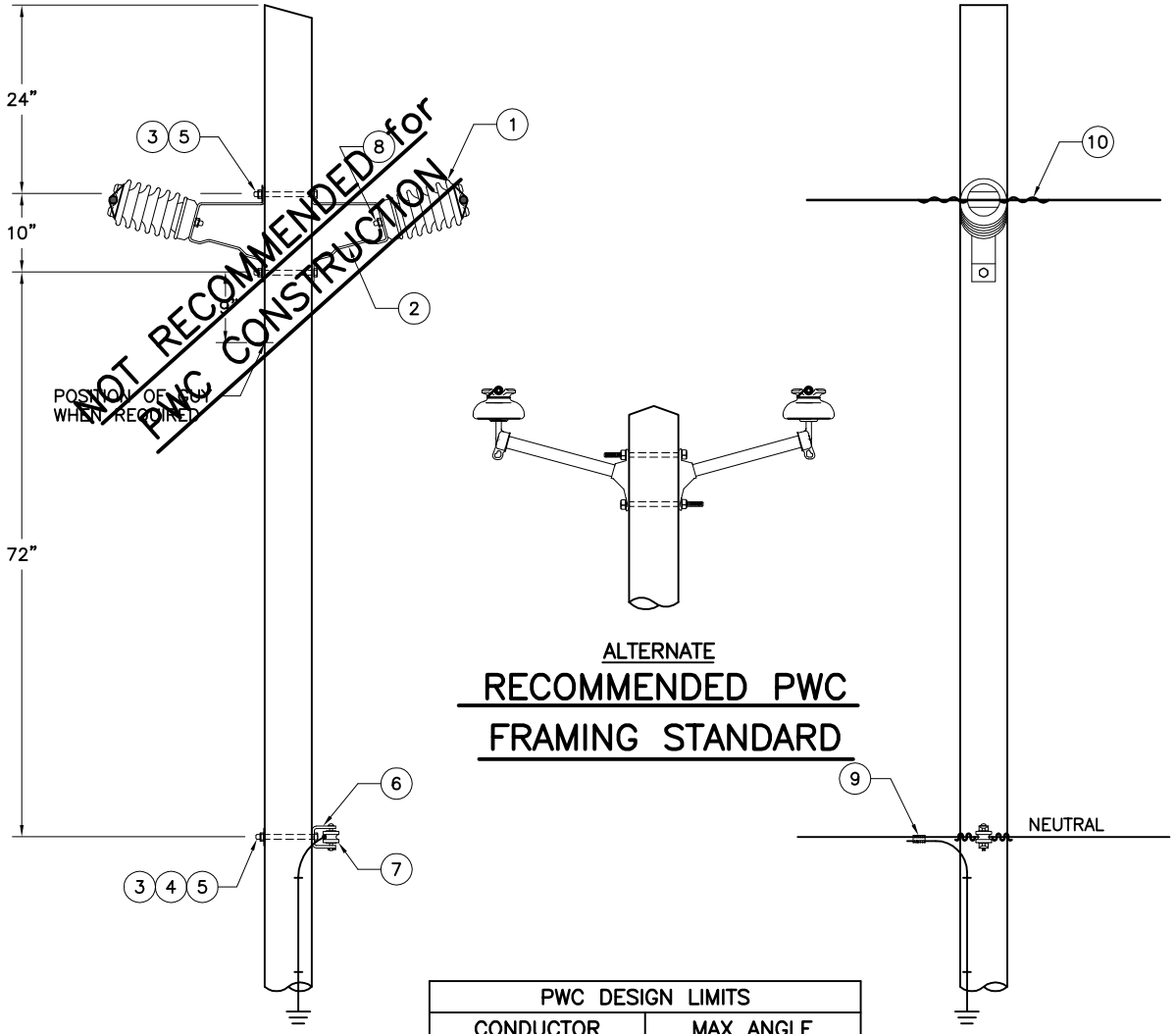
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	2
2	1325190	BOLT, MACHINE, 5/8" X 16", w/NUT	1
3	1325760	WASHER, SQUARE, CURVED, 3"	2
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	2
5	1100010	CROSSARM, 8" WOOD	1
6	1325005	BOLT, CARRIAGE, 3/8" X 4 1/2", w/NUT	2
7	1325145	SCREW, LAG, 1/2" X 4"	1
8	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	1
9	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	2
10	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
11	1160130	INSULATOR, SPOOL, 53-2	1
12	1325710	WASHER, FLAT, ROUND, 3/8"	2
13	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
14	1325765	WASHER, SQUARE, FLAT, 5/8"	1
15	1065010	WIRE, TIE, #4 SOLID ALUMINUM	16

PWC REVISIONS			
3			
2			
1			
0	12/8/05	CADD GRAPHICS	OST
REVISED		BY	APPR.
2	6/2020	WRW3	PWC OST
1	01/22/08	JEC	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR

CROSSARM CONSTRUCTION, TWO PHASE
SINGLE LINE ARM, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'-0"	VB1EC



FRONT VIEW

ALTERNATE

RECOMMENDED PWC FRAMING STANDARD

SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN TYPE, ANSI 55-6, 25 KV	2
2	1025255	BRACKET, FIBERGLASS, 21"	2
3	1325190	BOLT, MACHINE, 5/8" X 14", w/NUT	3
4	1325760	WASHER, SQUARE, CURVED, 3"	1
5	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	3
6	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
7	1160130	INSULATOR, SPOOL, 53-2	1
9	1075245	CONNECTOR PRL. GRVE. COMP., #1/7	1
10	1065010	WIRE TIE, #4 SOLID ALUMINUM	16

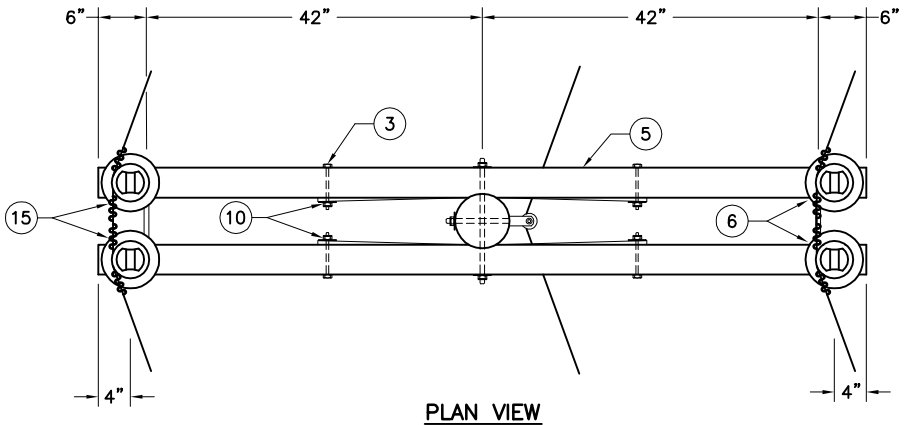
PWC REVISIONS			
3			
2			
1			
0	3/31/06	CADD GRAPHICS	OST
REVISED		BY	APPR.
2	6/2020	WRW3	PWC OST
1	8/22/08	WRW3	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR

TWO PHASE, ALTERNATE LINE POST CONTRUCTION, 25KV

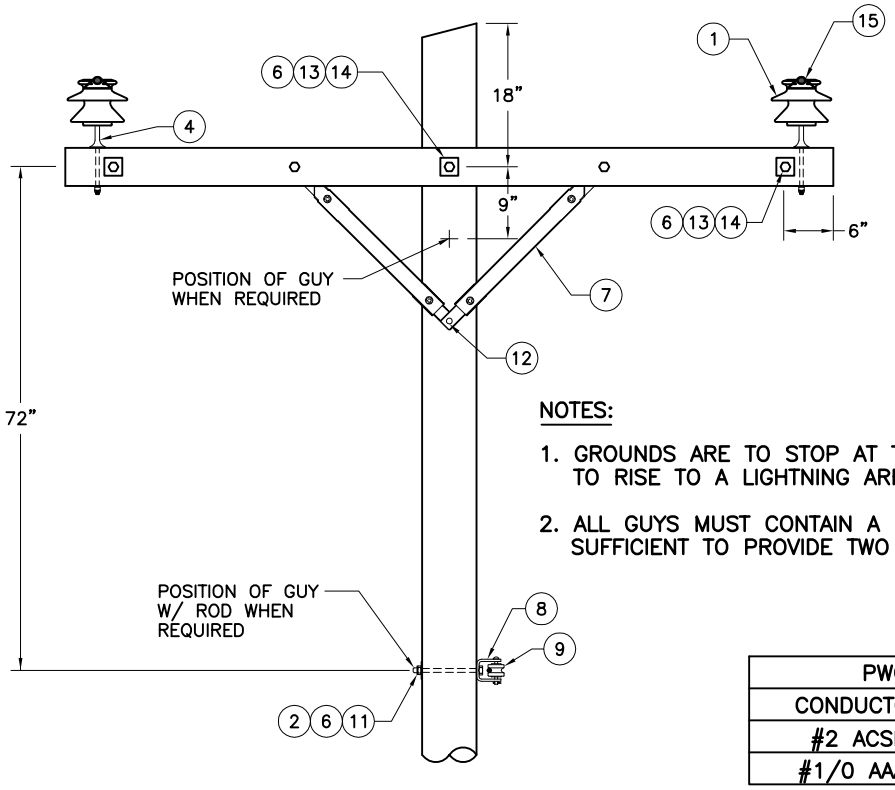
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VB1LPA-EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°
#1/0 AAAC	25°

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	4
2	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
3	1325005	BOLT, CARRIAGE, 3/8" X 4 1/2", w/NUT	4
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
5	1100010	CROSSARM, 8" WOOD	2
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	11
7	1100530	BRACE, CROSSARM, WOOD, 3/8" X 18"	2
8	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
9	1160130	INSULATOR, SPOOL, 53-2	1
10	1325710	WASHER, FLAT, ROUND, 3/8"	4
11	1325760	WASHER, SQUARE, CURVED, 3"	1
12	1325145	SCREW, LAG, 1/2" X 4"	2
13	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
14	1325765	WASHER, SQUARE, FLAT, 5/8"	10
15	1065010	WIRE, TIE, #4 SOLID ALUMINUM	32

PWC REVISIONS

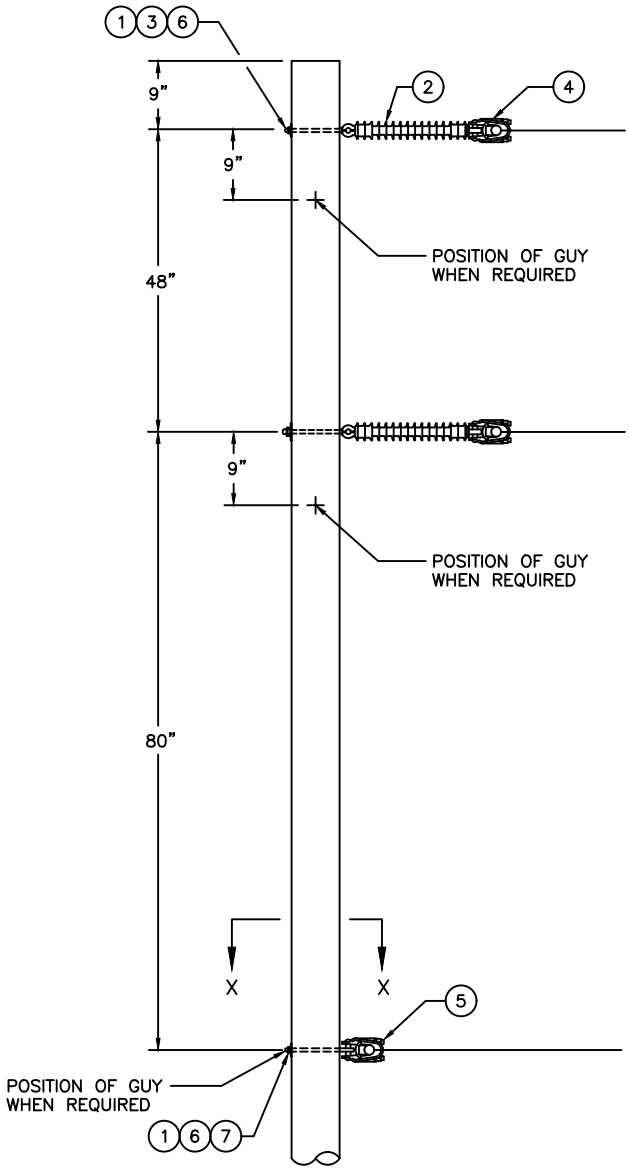
REVISED	BY	APPR
1 6/2020	WRW3	PWC OST
0 12/3/07	JLL	PWC OST
3		
2		
1		
0 12/8/05	CADD GRAPHICS	OST
REVISED	BY	APPR.

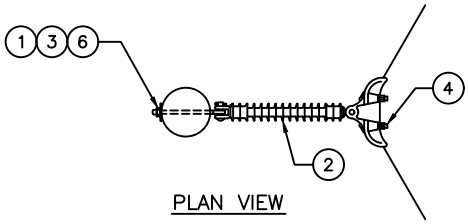
CROSSARM CONSTRUCTION, TWO PHASE DOUBLE ARM, 25KV

ELECTRICITIES

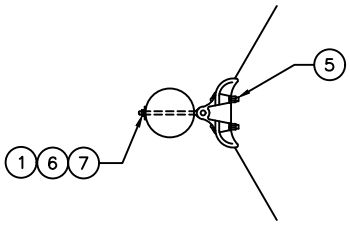
SCALE 1/2"=1'-0"

DWG. VB2EC





PLAN VIEW



SECTION X–X

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°
#1/0 AAAC	25°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTOR OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQAURE, CURVED, 3"	3
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	2
3	1325085	BOLT, OVAL EYE, 5/8" X 14", w/NUT	2
4	1050020	ANGLE ASSEMBLY, PRIMARY #4 – 4/0 AL	2
5	1050020	ANGLE ASSEMBLY, NEUTRAL #4 – 4/0 AL	1
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	3
7	1325080	BOLT, OVAL EYE, 5/8" X 12", w/NUT	1

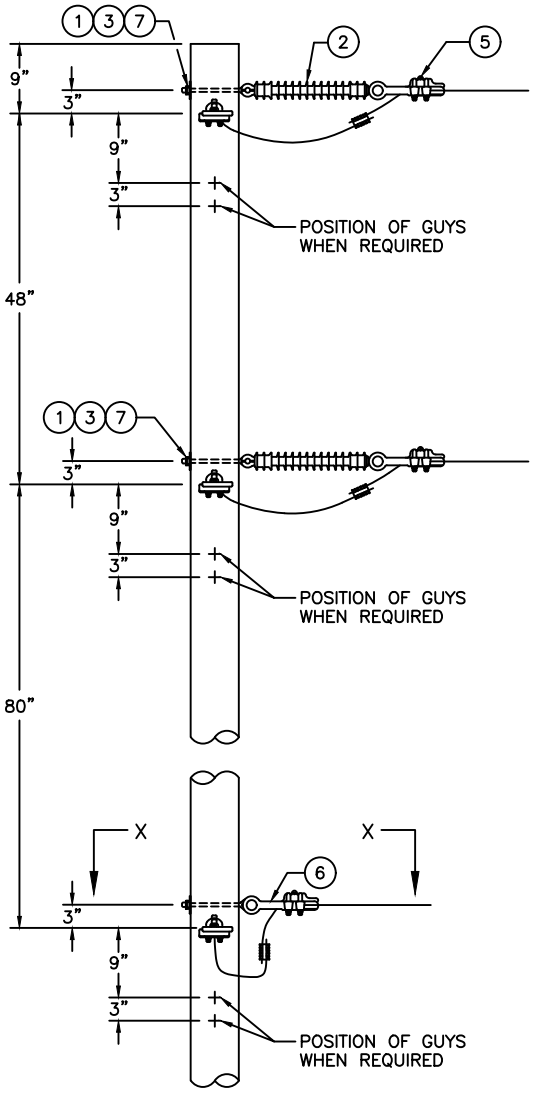
PWC REVISIONS			
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR
3			
2			
1			
0	12/8/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

VERTICAL CONSTRUCTION, TWO PHASE SUSPENSION STRUCTURE, 25KV

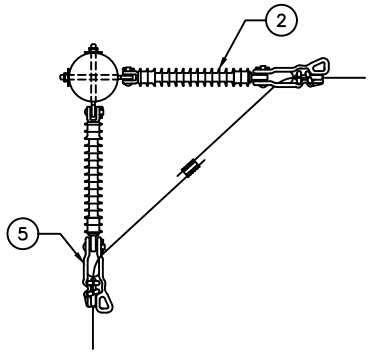
ELECTRICITIES

SCALE 1/2"=1'–0"

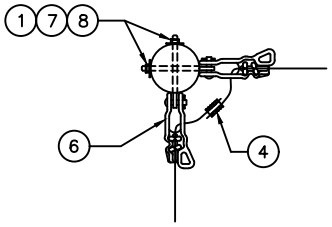
DWG. VB3EC



FRONT VIEW



PLAN VIEW



SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQAURE, CURVED, 3"	6
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	4
3	1325085	BOLT, OVAL EYE, 5/8" X 14", w/NUT	4
4	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	1
5	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	4
6	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	2
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	6
8	1325080	BOLT, OVAL EYE, 5/8" X 12", w/NUT	2

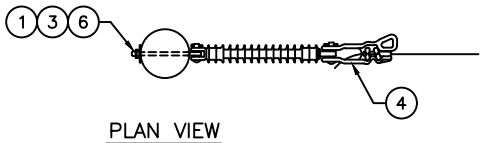
PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWC OST
1	02/10/09	WJ	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR
3			
2			
1			
0	12/8/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

VERTICAL CONSTRUCTION, TWO PHASE CORNER STRUCTURE, DOUBLE DEADEND, 25KV

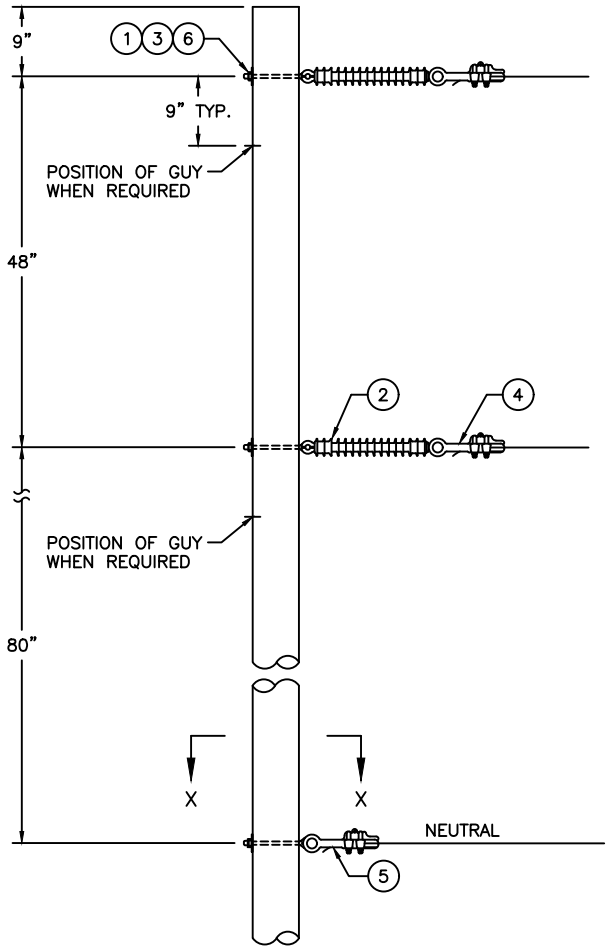
ELECTRICITIES

SCALE 1/2"=1'–0"

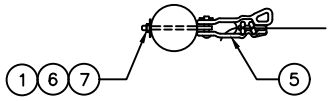
DWG. VB4EC



PLAN VIEW



PLAN VIEW



SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQAURE, CURVED, 3"	3
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	2
3	1325085	BOLT, OVAL EYE, 5/8" X 14", w/NUT	2
4	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	2
5	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	1
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	3
7	1325080	BOLT, OVAL EYE, 5/8" X 12", w/NUT	1

PWC

REVISED		BY	APPR
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWC OST
1	02/11/09	WJ	PWC OST
0	12/3/07	JLL	PWC OST

PWC REVISIONS

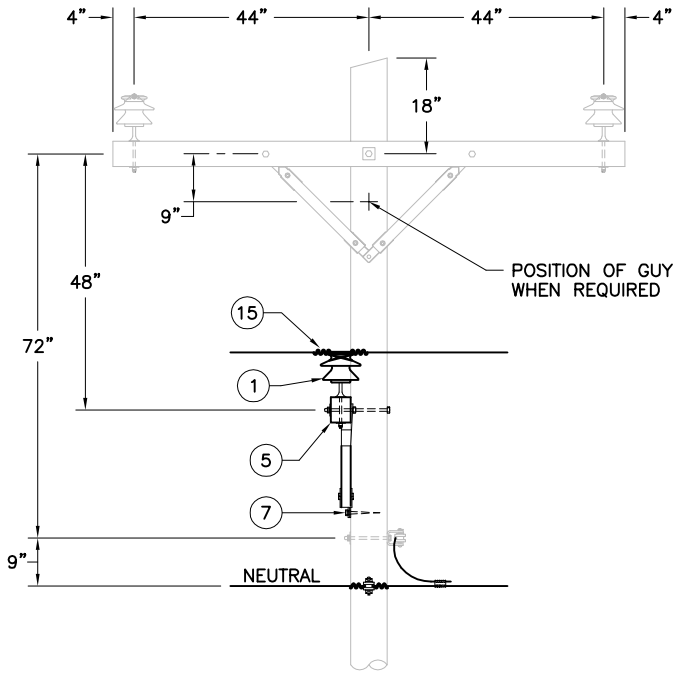
REVISED		BY	APPR.
3			
2			
1			
0	12/14/05	CADD GRAPHICS	OST

VERTICAL CONSTRUCTION, TWO PHASE DEADEND, 25KV

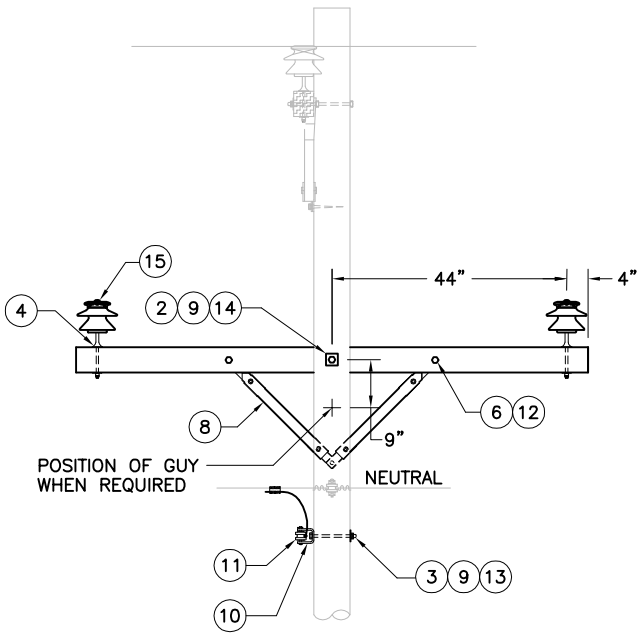
ELECTRICITIES

SCALE 1/2"=1'–0"

DWG. VB5EC



FRONT VIEW



SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	2
2	1325190	BOLT, MACHINE, 5/8" X 16", w/NUT	1
3	1325760	WASHER, SQUARE, CURVED, 3"	2
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	2
5	1100010	CROSSARM, 8" WOOD	1
6	1325005	BOLT, CARRIAGE, 3/8" X 4 1/2", w/NUT	2
7	1325145	SCREW, LAG, 1/2" X 4"	1
8	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	1
9	1325740	WASHER, LOCK, 5/8"	2
10	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
11	1160130	INSULATOR, SPOOL, 53-2	1
12	1325710	WASHER, FLAT, ROUND, 3/8"	2
13	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
14	1325765	WASHER, SQUARE, FLAT, 5/8"	1
15	1065010	WIRE, TIE, #4 SOLID ALUMINUM	16

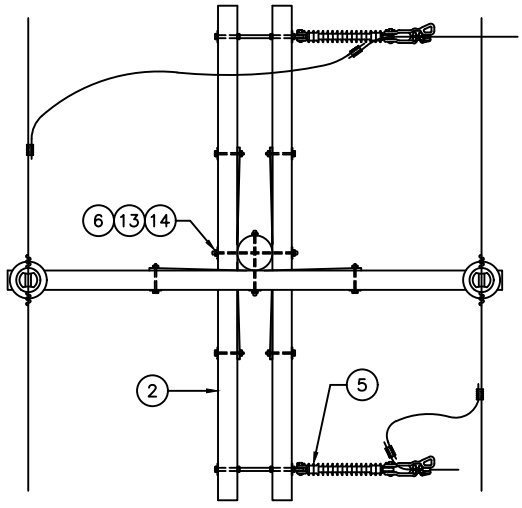
PWC REVISIONS			
3			
2			
1			
0	12/14/05	CADD GRAPHICS	OST
REVISED		BY	APPR.
1	6/2020	WRW3	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR

CROSSARM CONSTRUCTION, TWO PHASE SINGLE LINE ARM, 25KV

ELECTRICITIES

SCALE 1/2"=1'-6"

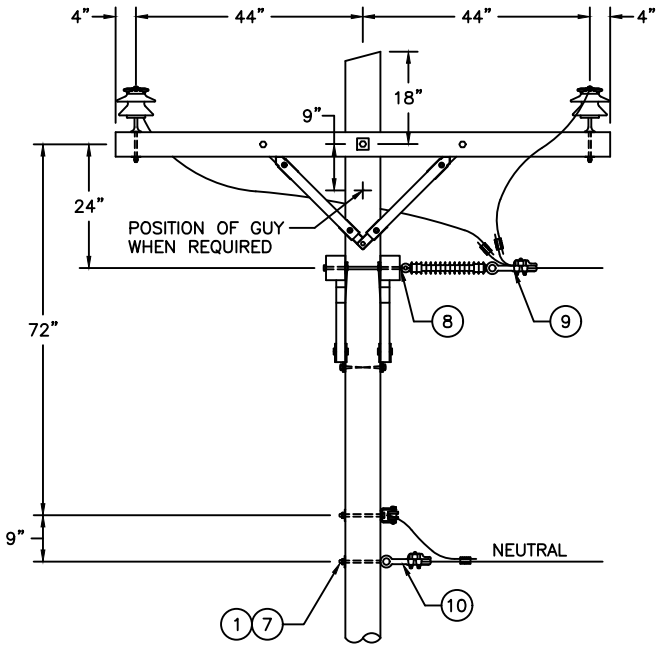
DWG. VB6EC



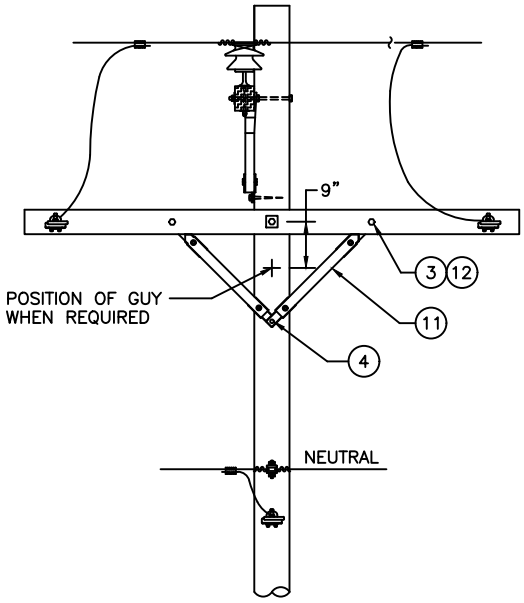
PLAN VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. ADD PIN INSULATOR SUPPORT FOR JUMPER CONDUCTORS AS NEEDED.



FRONT VIEW



SIDE VIEW

3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWC OST
1	02/11/09	WJ	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR

PWC REVISIONS

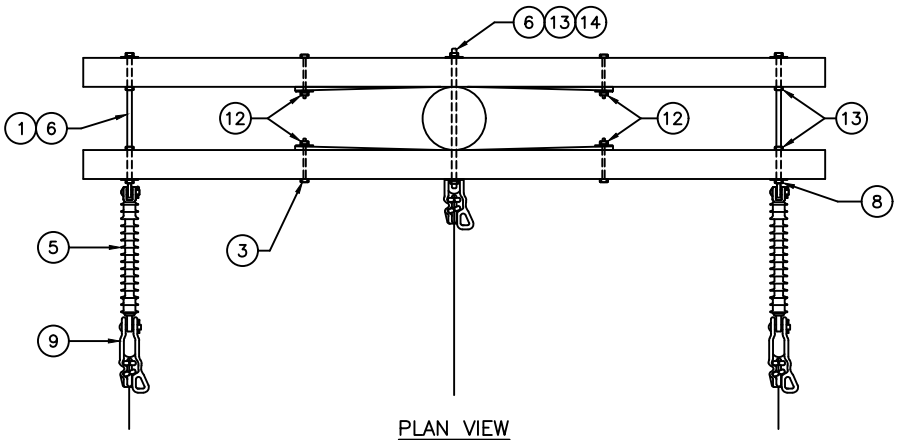
3			
2			
1			
0	12/14/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	1
2	1100010	CROSSARM, 8" WOOD	2
3	1325005	BOLT, CARRAGE, 3/8" X 4-1/2" w/NUT	4
4	1325145	SCREW, LAG, 1/2" X 4"	2
5	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	2
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
7	1325080	BOLT, OVAL, EYE, 5/8" X 12"	1
8	1325530	NUT, EYE, GALV, 5/8"	2
9	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 - 2/0	2
10	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 - 2/0	1
11	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
12	1325710	WASHER, FLAT, ROUND, 3/8"	4
13	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	11
14	1325765	WASHER, SQUARE, FLAT, 5/8"	10

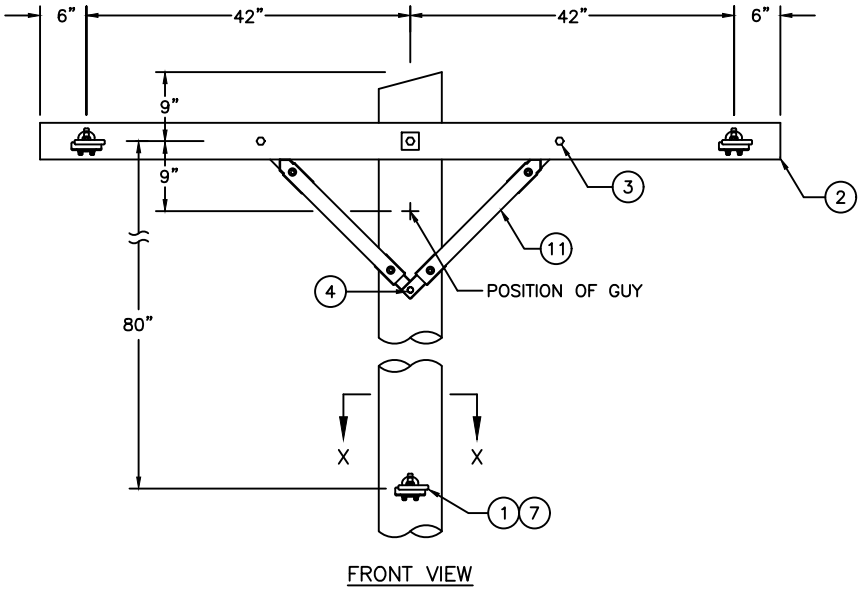
CROSSARM CONSTRUCTION, TWO PHASE
SINGLE LINE ARM, 25KV

ELECTRICITIES

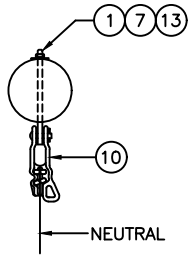
SCALE	DWG.
1/2"=1'-6"	VB7-2EC



PLAN VIEW



FRONT VIEW



SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	1
2	1100010	CROSSARM, 8" WOOD	2
3	1325005	BOLT, CARRAGE, 3/8" X 4–1/2" w/NUT	4
4	1325145	SCREW, LAG, 1/2" X 4"	2
5	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	2
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
7	1325080	BOLT, OVAL EYE, 5/8" X 12", w/NUT	1
8	1325530	NUT, EYE, GALV, 5/8"	2
9	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	2
10	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	1
11	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
12	1325710	WASHER, FLAT, ROUND, 3/8"	4
13	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	11
14	1325765	WASHER, SQUARE, FLAT, 5/8"	10

PWC

3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWC OST
1	02/11/09	WJ	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR

PWC REVISIONS

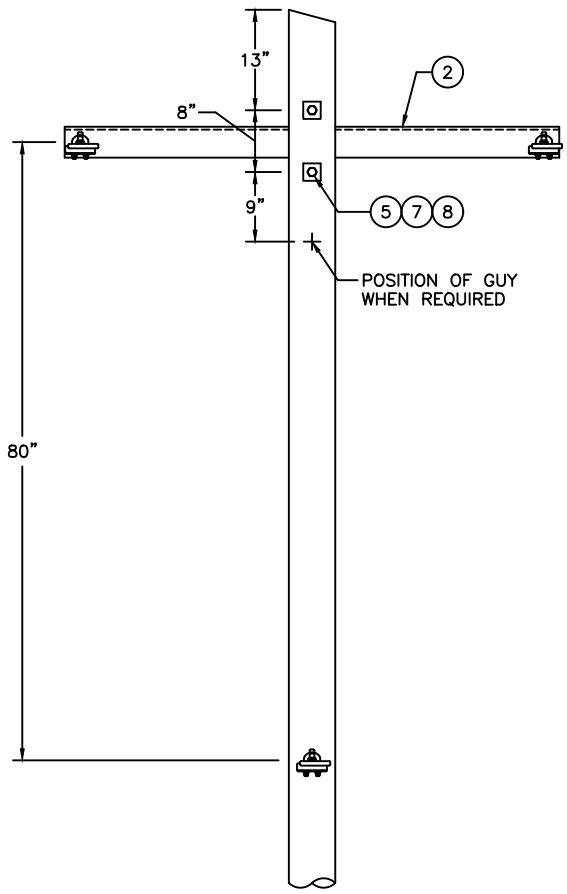
3			
2			
1			
0	12/8/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION, TWO PHASE DEADEND, 25KV

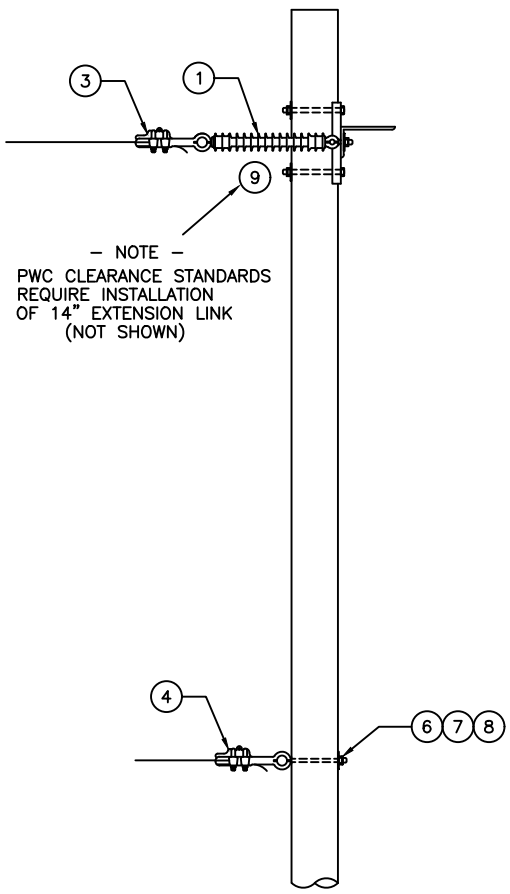
ELECTRICITIES

SCALE 1/2"=1'–0"

DWG. VB7EC



FRONT VIEW



SIDE VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	2
2	1100023	CROSSARM, 60–INCH, STEEL	1
3	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	2
4	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	1
5	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
6	1325080	BOLT, OVAL EYE, 5/8" X 12", w/NUT	3
7	1325760	WASHER, SQUARE, CURVED, 3"	3
8	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	5
9	1105110	LINK, EXTENSION, 14"	2

3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWC OST
1	02/11/09	WJ	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR

PWC REVISIONS

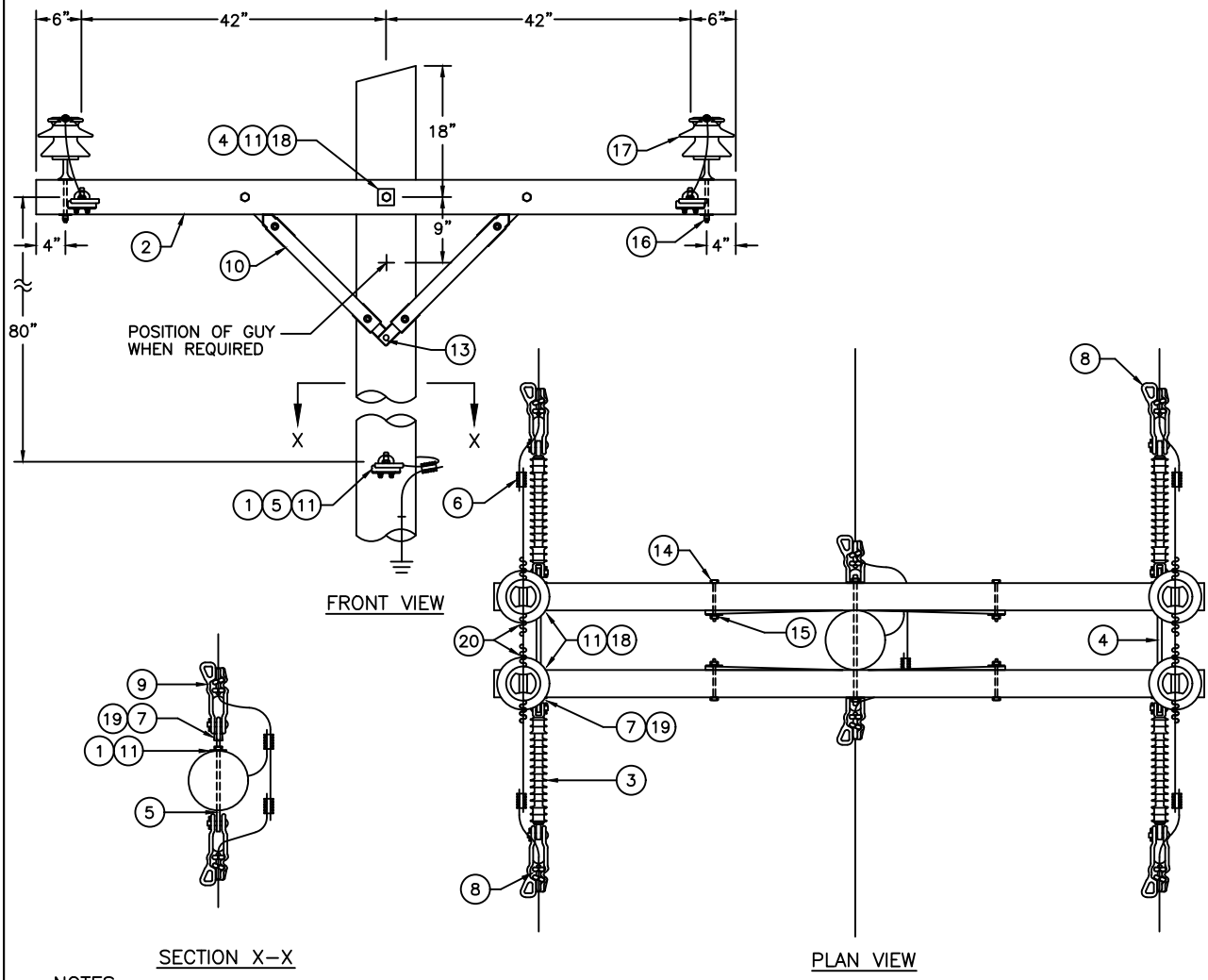
3			
2			
1			
0	3/31/06	CADD GRAPHICS	OST
REVISED		BY	APPR.

STEEL ARM TWO PHASE DEADEND, 25KV

ELECTRICITIES

SCALE 1/2"=1'–0"

DWG. VB7SEC



NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	2
2	1100010	CROSSARM, 8" WOOD	2
3	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	4
4	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
5	1325085	BOLT, OVAL EYE, 5/8" X 14"	1
6	1075245	CONNECTOR PRL. GRVE. COMP., #1/7	1
7	1325535	NUT, SQUARE, 5/8"	5
8	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	4
9	1050149	CLAMP, AL. STRAIGHT AUTOMATIC D.E. #4 – 2/0	2
10	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
11	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	11
12	1325710	WASHER, FLAT, ROUND, 3/8"	4
13	1325145	SCREW, LAG, 1/2" X 4"	2
14	1325005	BOLT, CARRAGE, 3/8" X 4–1/2" w/NUT	4
15	1325710	WASHER, FLAT, ROUND, 3/8"	4
16	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
17	1160065	INSULATOR, PIN–TYPE, ANSI 55–6	4
18	1325765	WASHER, SQUARE, FLAT, 5/8"	10
19	1325530	NUT, EYE, GALV., 5/8"	5
20	1065010	WIRE, TIE, #4 SOLID ALUMINUM	32

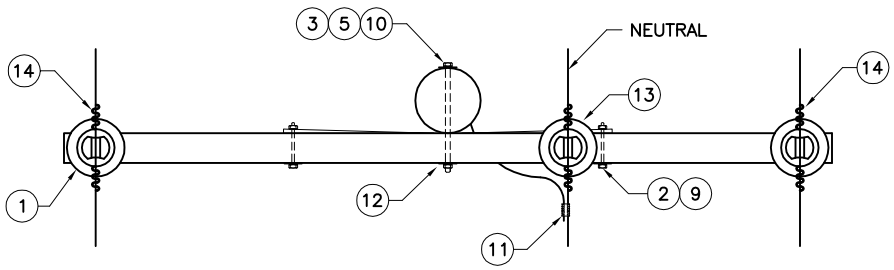
PWC REVISIONS			
3	06/05/23	D. KELTON	PWCOST
2	6/2020	WRW3	PWC OST
1	02/11/09	WJ	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR

3			
2			
1			
0	12/8/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

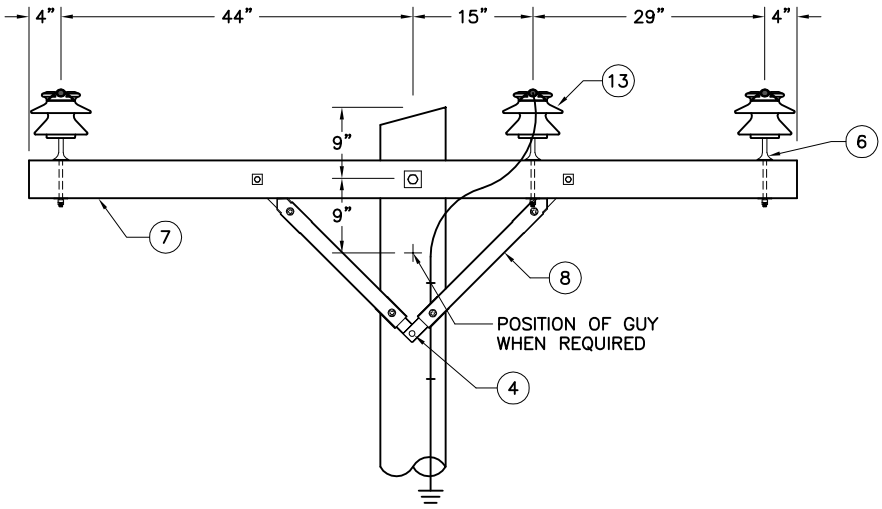
CROSSARM CONSTRUCTION, TWO PHASE, DOUBLE DEADEND, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'–0"	VB8EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATORS PER NESC 220B2B.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	2
2	1325005	BOLT, CARRAGE, 3/8" X 4-1/2" w/NUT	2
3	1325190	BOLT, MACHINE, 5/8" X 16", w/NUT	1
4	1325145	SCREW, LAG, 1/2" X 4"	1
5	1325760	WASHER, SQUARE, CURVED, 3"	1
6	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	3
7	1100010	CROSSARM, 8" WOOD	1
8	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	1
9	1325710	WASHER, FLAT, ROUND, 3/8"	2
10	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	1
11	1075245	CONNECTOR PRL. GRVE. COMP., #1/7	1
12	1325765	WASHER, SQUARE, FLAT, 5/8"	1
13	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	1
14	1065010	WIRE, TIE, #4 SOLID ALUMINUM	24

REVISED		BY	APPR
3	6/2020	WRW3	PWC OST
2	09/21/09	JLL	PWC OST
1	08/12/08	JLL	PWC OST
0	12/3/07	JLL	PWC OST

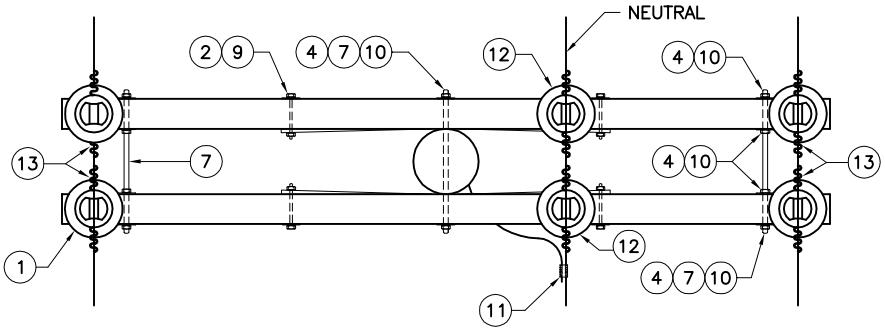
PWC REVISIONS

REVISED		BY	APPR.
0	12/8/05	CADD GRAPHICS	OST

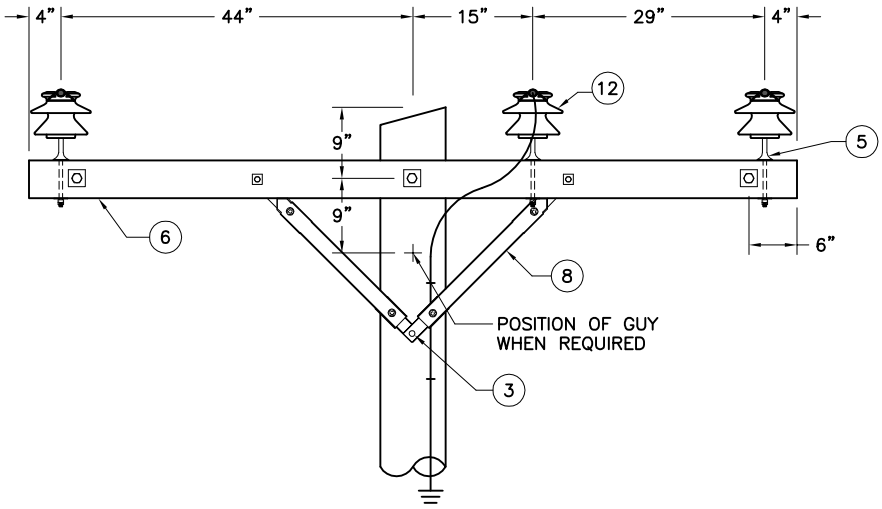
CROSSARM CONSTRUCTION, TWO PHASE NEUTRAL ON SINGLE ARM, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'-0"	VB9-1EC



PLAN VIEW



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATORS PER NESC 220B2B.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	4
2	1325005	BOLT, CARRAGE, 3/8" X 4-1/2" w/NUT	4
3	1325145	SCREW, LAG, 1/2" X 4"	2
4	1325765	WASHER, SQUARE, FLAT, 5/8"	10
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	6
6	1100010	CROSSARM, 8" WOOD	2
7	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
8	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
9	1325710	WASHER, FLAT, ROUND, 3/8"	4
10	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	10
11	1075245	CONNECTOR PRL. GRVE. COMP., #1/7	1
12	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	2
13	1065010	WIRE, TIE, #4 SOLID ALUMINUM	48

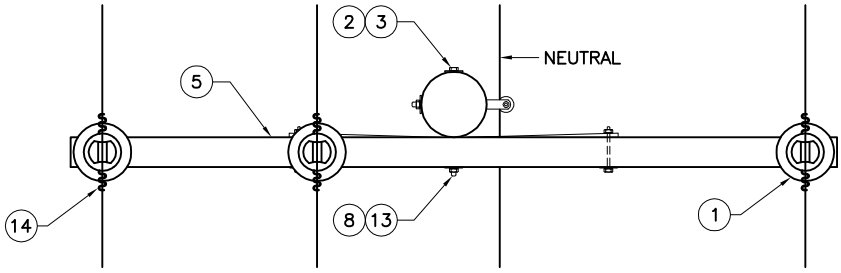
PWC REVISIONS			
3	6/2020	WRW3	PWC OST
2	09/21/09	JLL	PWC OST
1	08/12/08	JLL	PWC OST
0	12/3/07	JLL	PWC OST
REVISED		BY	APPR
3			
2			
1			
0	12/8/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION, TWO PHASE, NEUTRAL ON DOUBLE ARMS, 25KV

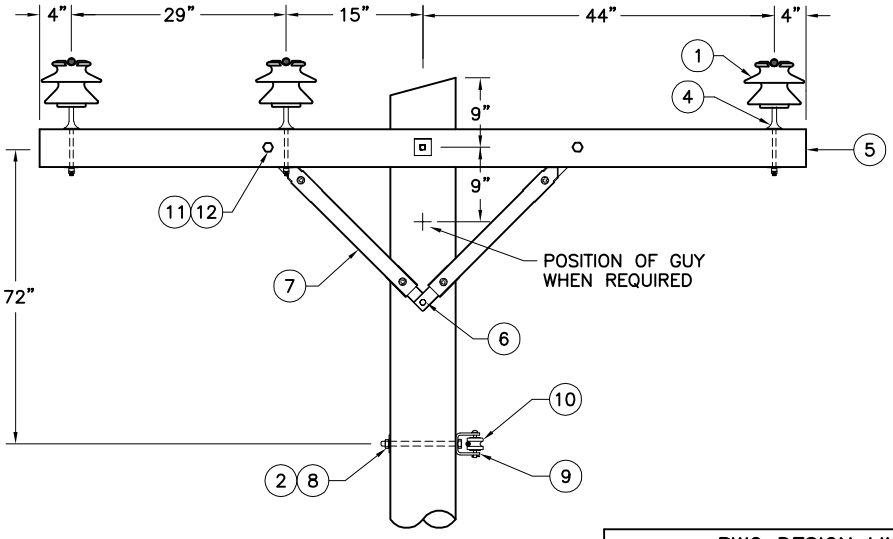
ELECTRICITIES

SCALE	DWG.
1/2"=1'-0"	VB9EC

14.4/24.9 KV THREE PHASE STRUCTURES



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1325190	BOLT, MACHINE, GALV., 5/8" X 16" w/NUT	1
3	1325760	WASHER, SQUARE, CURVED, 3"	2
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	3
5	1100010	CROSSARM, 8" WOOD	1
6	1325145	SCREW, LAG, 1/2" X 4"	1
7	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	1
8	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	2
9	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
10	1160130	INSULATOR, SPOOL, 53-2	1
11	1325005	BOLT, CARRAGE, 3/8" X 4-1/2" w/NUT	2
12	1325710	WASHER, FLAT, ROUND, 3/8"	2
13	1325765	WASHER, SQUARE, FLAT, 5/8"	1
14	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

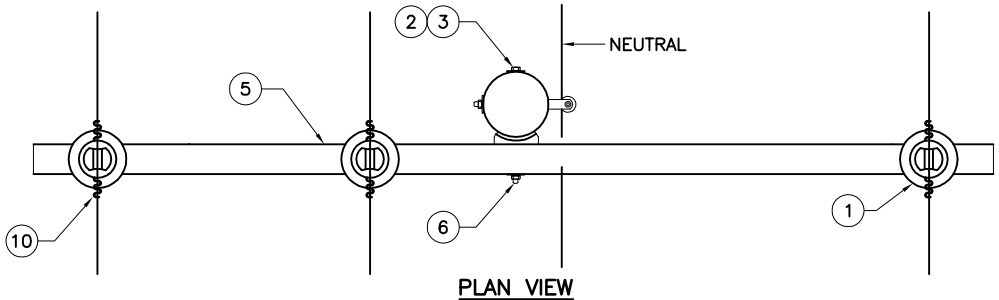
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

CROSSARM CONSTRUCTION, THREE PHASE
CENTER PHASE ON ARM, 25KV

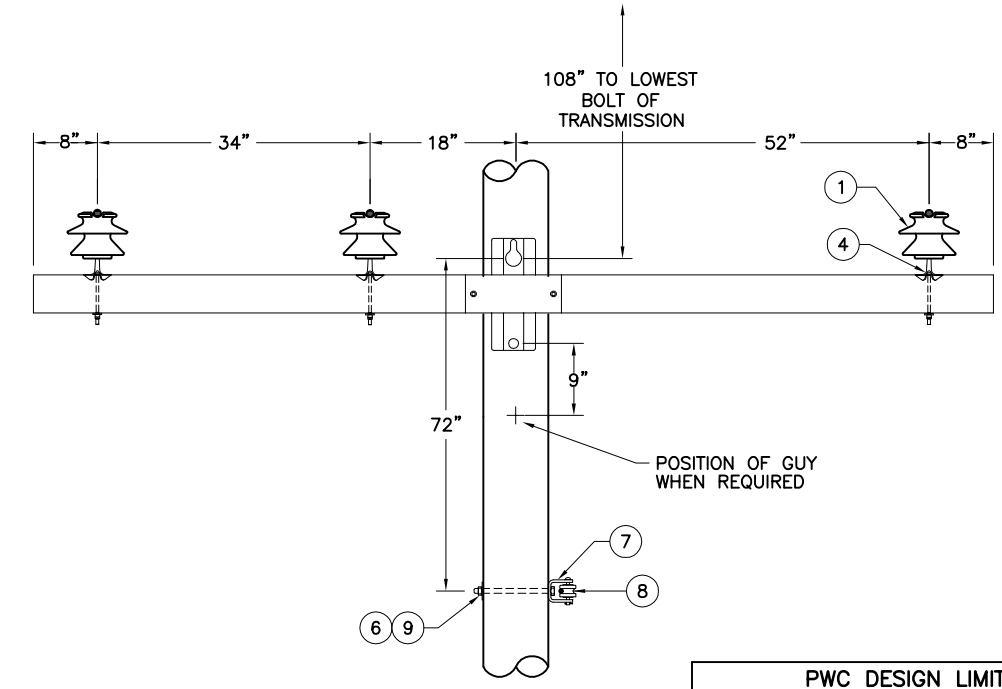
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC1-1EC



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

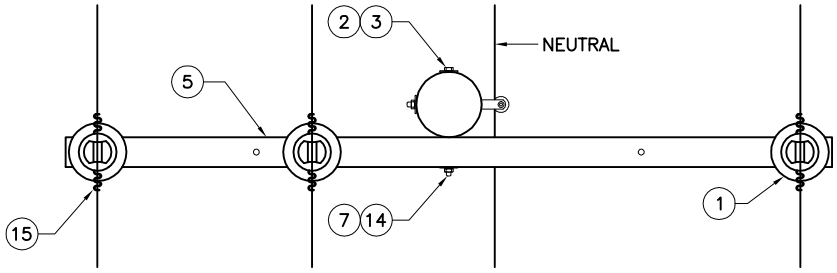
1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.
4. 10' FIBERGLASS ARM IS STANDARD CONSTRUCTION FOR DISTRIBUTION UNDERBUILD ON STEEL POLES.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1325190	BOLT, MACHINE, GALV., 5/8" X 16" w/NUT	2
3	1325760	WASHER, SQUARE, CURVED, 3"	3
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	3
5	1100017	CROSSARM, 10 FOOT, FBGL. REIN. COMPOSITE	1
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	3
7	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
8	1160130	INSULATOR, SPOOL, 53-2	1
9	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
10	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

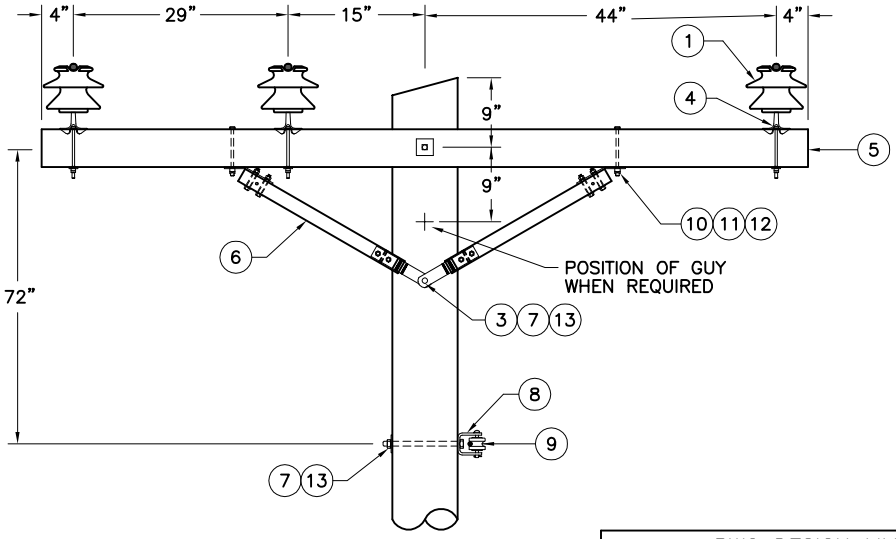
PWC REVISIONS			
3			
2			
1			
0	2/6/09	WJJ	OST
REVISED		BY	APPR.

UNDERBUILD FBG. CROSSARM CONSTRUCTION THREE PHASE CENTER PHASE ON ARM, 25KV

SCALE	DWG.
1/2"=1'-0"	VC1-1FBG



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1325190	BOLT, MACHINE, GALV., 5/8" X 16" w/NUT	1
3	1325760	WASHER, SQUARE, CURVED, 3"	2
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	3
5	1100010	CROSSARM, 8" WOOD	1
6	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	1
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	3
8	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
9	1160130	INSULATOR, SPOOL, 53-2	1
10	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	2
11	1325710	WASHER, FLAT, ROUND, 3/8"	2
12	1325735	WASHER, SPLIT RING, LOCK, 1/2"	2
13	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
14	1325765	WASHER, SQUARE, FLAT, 5/8"	1
15	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

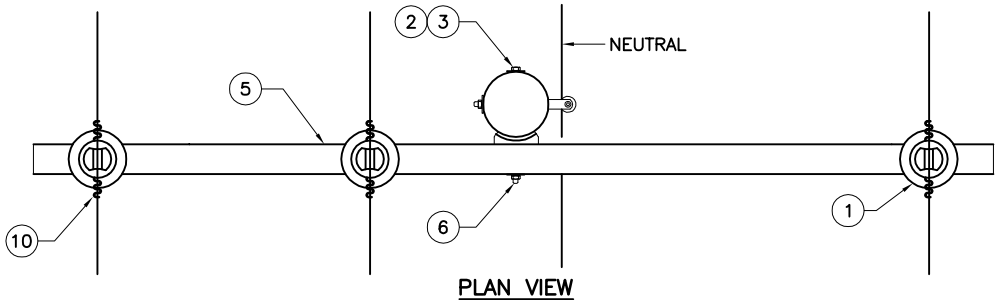
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR
CENTER PHASE ON ARM, 25KV

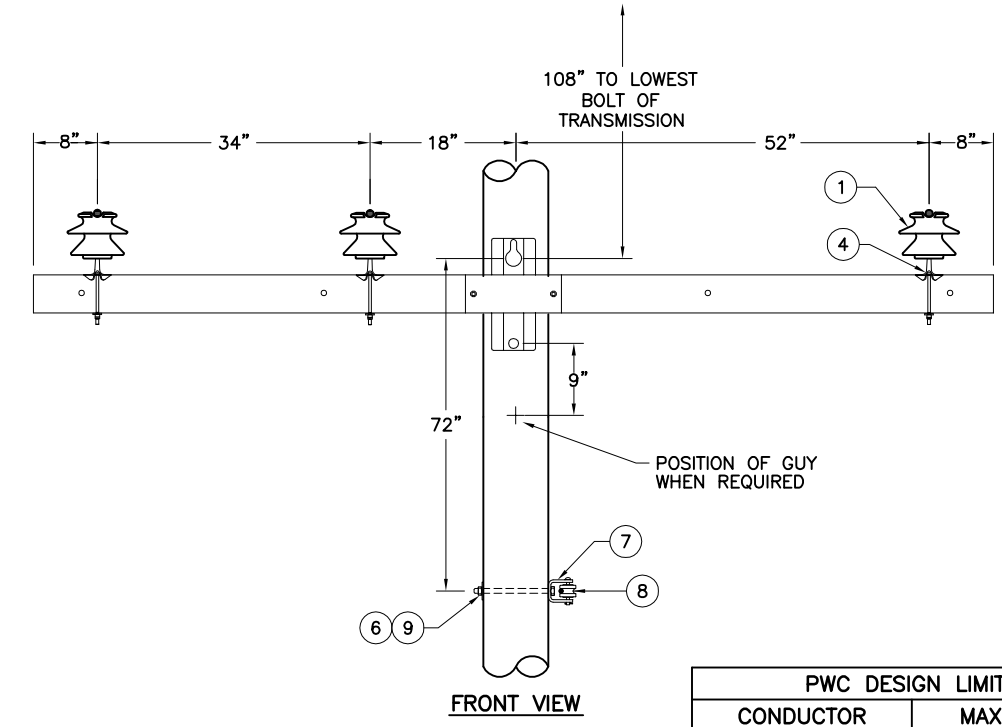
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC1-1SEC



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	11°
#477 AAC	10°

NOTES:

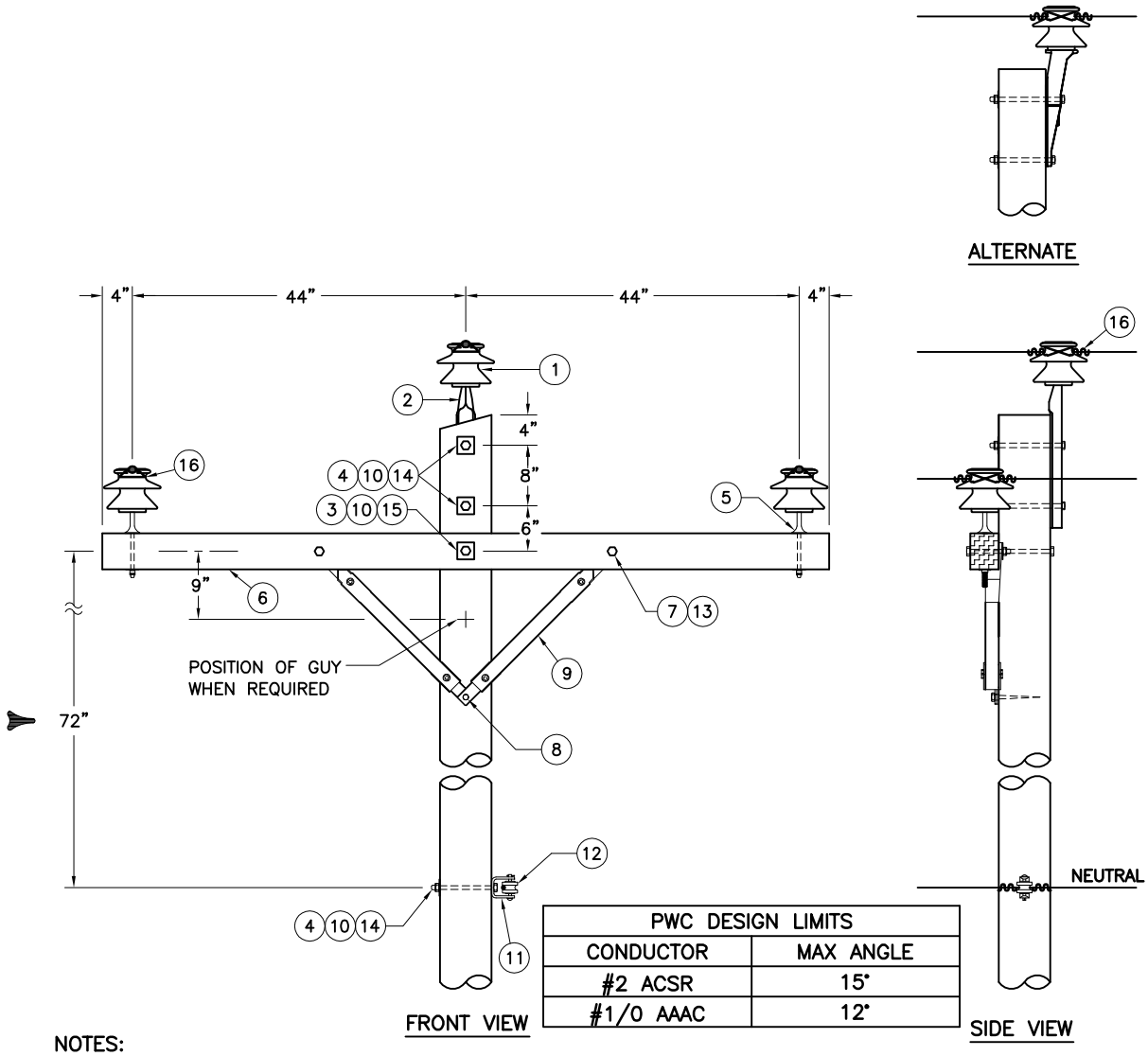
1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.
4. 10' FIBERGLASS ARM IS STANDARD CONSTRUCTION FOR DISTRIBUTION UNDERBUILD ON STEEL POLES.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1325190	BOLT, MACHINE, GALV., 5/8" X 16" w/NUT	2
3	1325760	WASHER, SQUARE, CURVED, 3"	3
4	1100547	PIN, CROSSARM, SADDLE, 1' x 6"	3
5	1100017	CROSSARM, 10 FOOT, FBGL. REIN. COMPOSITE	1
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	3
7	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
8	1160130	INSULATOR, SPOOL, 53-2	1
9	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
10	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
3			
2			
1	8/9/11	JLL	
0	2/6/09	WJJ	PWCOST
REVISED		BY	APPR.

UNDERBUILD FBG. CROSSARM CONSTRUCTION THREE PHASE, LARGE CONDUCTOR CENTER PHASE ON ARM, 25KV

SCALE	DWG.
1/2"=1'-0"	VC1-1SFBG



PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

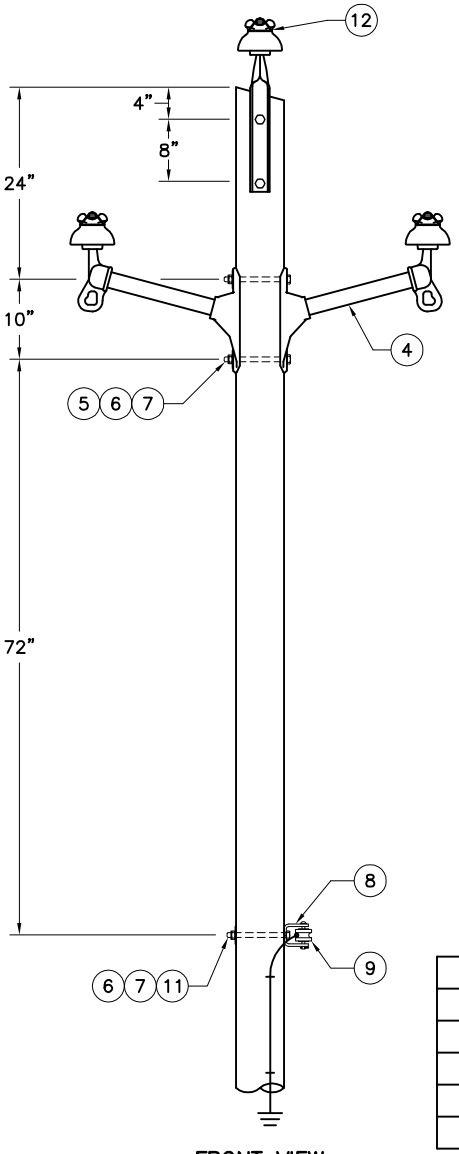
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1100568	PIN, POLE TOP, 20" X 1"	1
3	1325190	BOLT, MACHINE, 5/8" X 16", w/NUT	1
4	1325760	WASHER, SQUARE, CURVED, 3"	5
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	2
6	1100010	CROSSARM, 8" WOOD	1
7	1325005	BOLT, CARRIAGE, 3/8" X 4 1/2", w/NUT	2
8	1325145	SCREW, LAG, 1/2" X 4"	1
9	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	1
10	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	4
11	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
12	1160130	INSULATOR, SPOOL, 53-2	1
13	1325710	WASHER, FLAT, ROUND, 3/8"	2
14	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	3
15	1325765	WASHER, SQUARE, FLAT, 5/8"	1
16	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

REVISED	BY	APPR
1 6/2020	WRW3	PWCOST
0 12/3/07	JLL	PWCOST
PWC REVISIONS		
3		
2		
1 12/8/05	CADD GRAPHICS	OST
0 2/1/05	CADD GRAPHICS	OST
REVISED	BY	APPR.

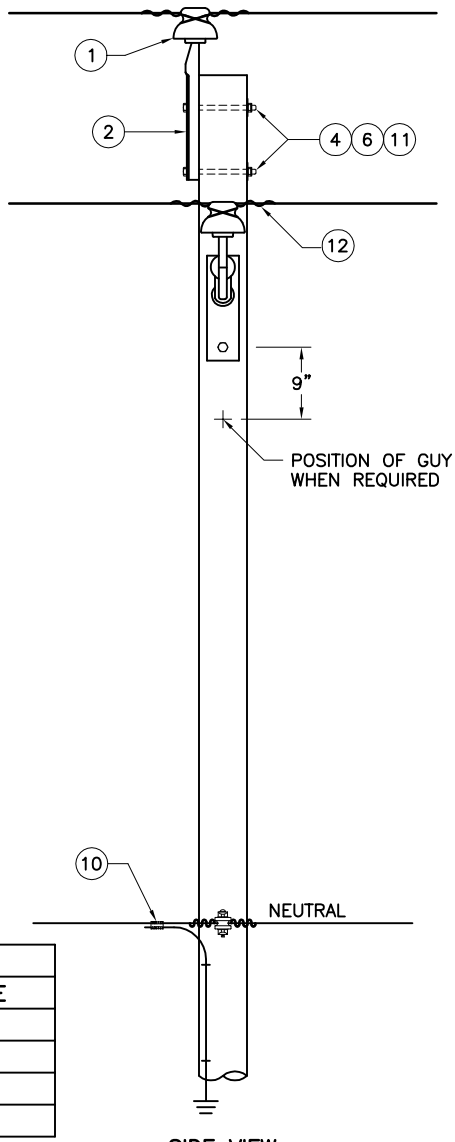
CROSSARM CONSTRUCTION THREE PHASE SINGLE LINE ARM, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'-0"	VC1EC



FRONT VIEW



SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

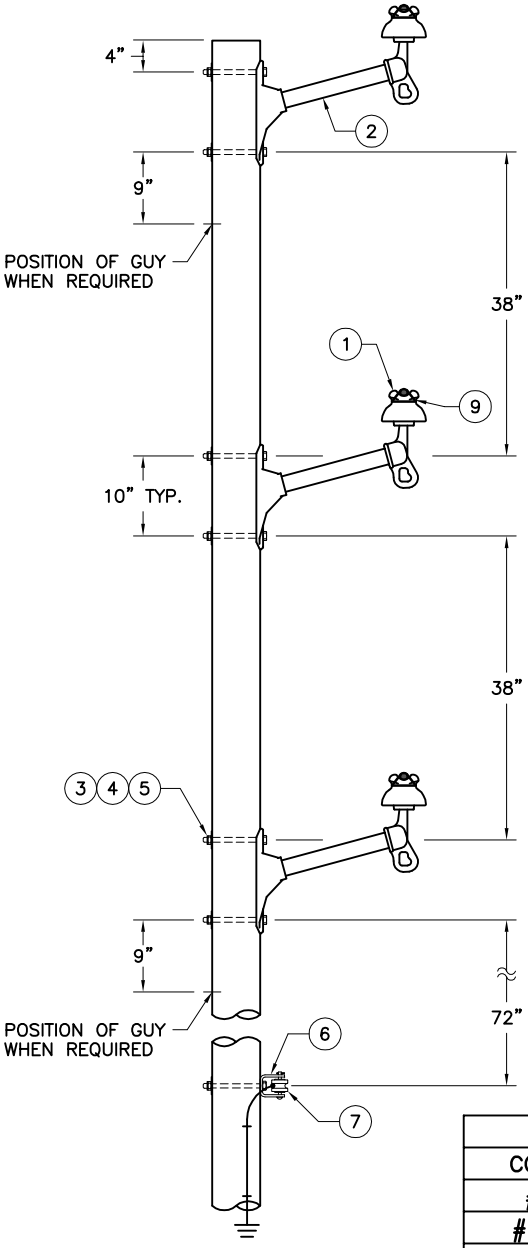
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	3
2	1100568	PIN, POLE TOP, 20" X 1"	1
4	1025255	BRACKET, FIBERGLASS 21"	2
5	1325190	BOLT, MACHINE, 5/8" X 16", w/NUT	2
6	1325760	WASHER, SQUARE, CURVED, 3"	5
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	5
8	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
9	1160130	INSULATOR, SPOOL, 53-2	1
10	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	1
11	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	3
12	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
2	6/2020	WRW3	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	2/10/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

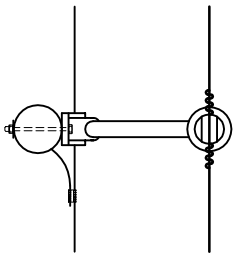
FIBERGLASS ARM, NARROW PROFILE CONSTRUCTION, 25KV

ELECTRICITIES

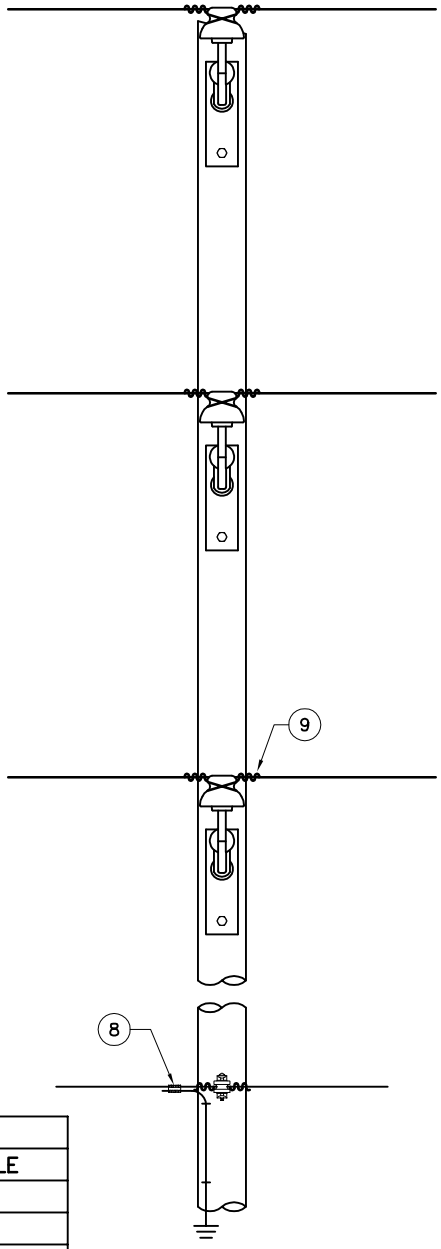
SCALE	DWG.
1/2"=1'-0"	VC1FEC



FRONT VIEW



PLAN VIEW



SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	3
2	1025255	BRACKET, FIBERGLASS 21"	3
3	1325180	BOLT, MACHINE, 5/8" X12", w/NUT	7
4	1325760	WASHER, SQUARE, CURVED, 3"	7
5	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	7
6	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
7	1160130	INSULATOR, SPOOL, 53-2	1
8	1075245	CONNECTOR, PRL. GRVE., #1/7	1
9	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

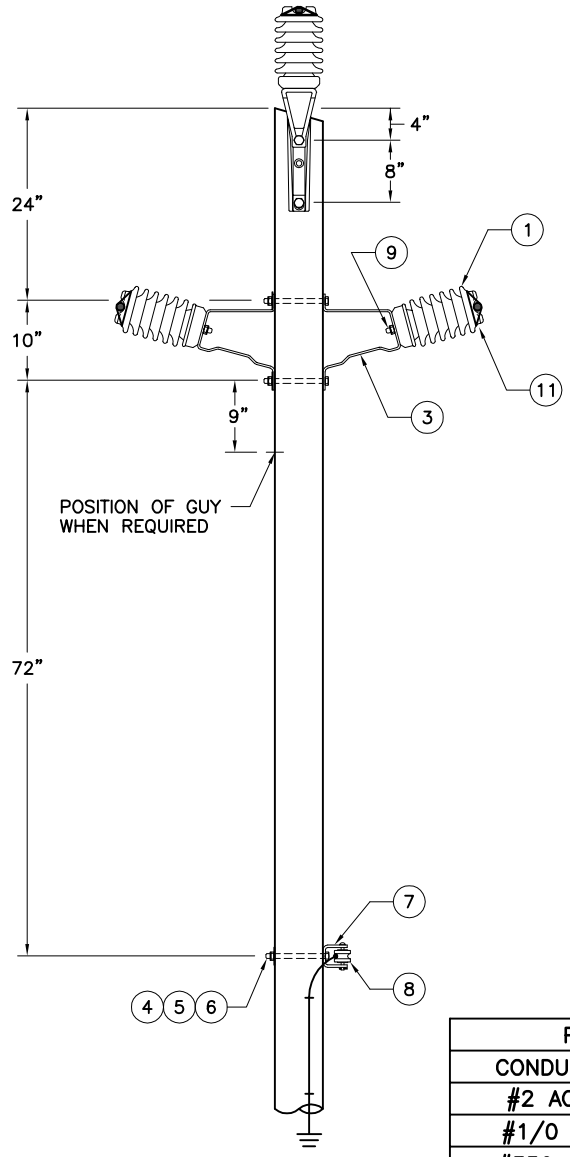
PWC REVISIONS			
3	6/2020	WRW3	PWCOST
2	09/21/09	JLL	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	2/10/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

THREE PHASE VERTICAL, FIBERGLASS, ARMLESS CONSTRUCTION, 25KV

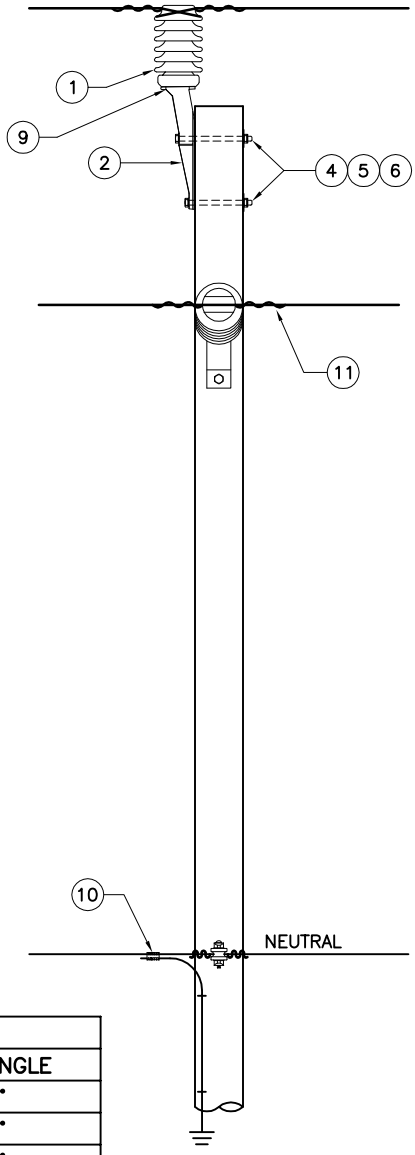
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC1F-VEC



FRONT VIEW



SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

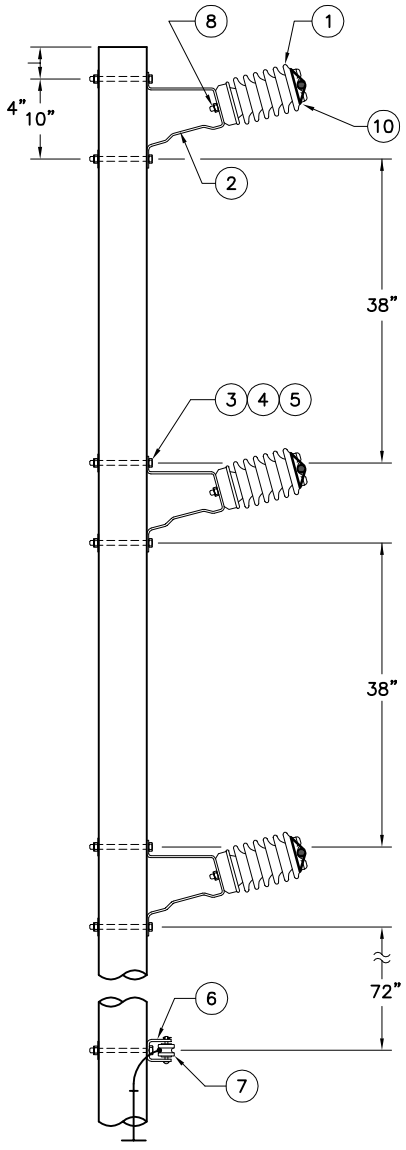
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160073	INSULATOR, LINE POST, TIE TOP, 35 KV	3
2	1025320	BRACKET, POLE TOP INSULATOR	1
3	1025226	BRACKET, INSULATOR, OFFSET, 9"	2
4	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	5
5	1325760	WASHER, SQUARE, CURVED, 3"	3
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	5
7	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
8	1160130	INSULATOR, SPOOL, 53-2	1
9	1100537	STUD, INSULATOR, SHORT	3
10	1075245	CONNECTOR, PRL. GRVE., #1/7	1
11	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	3/10/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

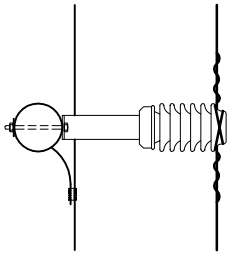
THREE PHASE,
ALTERNATE LINE POST CONTRUCTION, 25KV

ELECTRICITIES

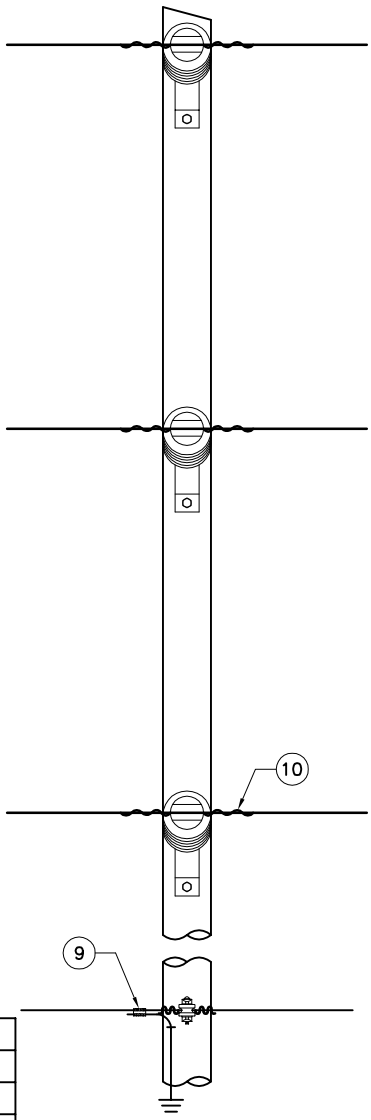
SCALE	DWG.
1/2"=1'-0"	VC1LPA-EC



FRONT VIEW



PLAN VIEW



SIDE VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160073	INSULATOR, LINE POST, TIE TOP, 35 KV	3
2	1025226	BRACKET, INSULATOR, OFFSET, 9"	3
3	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	7
4	1325760	WASHER, SQUARE, CURVED, 3"	7
5	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	7
6	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
7	1160130	INSULATOR, SPOOL, 53-2	1
8	1100537	STUD, INSULATOR, SHORT	3
9	1075245	CONNECTOR, PRL. GRVE., #1/7	1
10	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

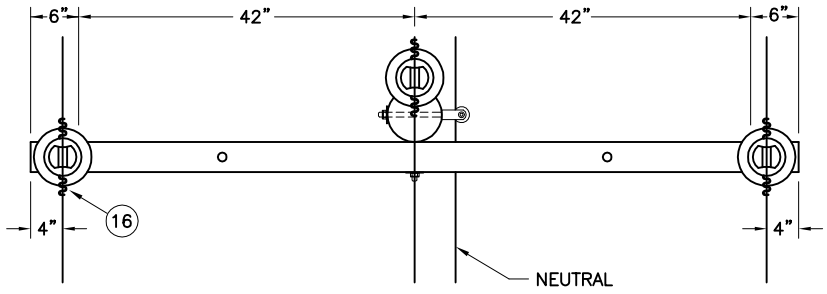
PWC REVISIONS			
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	3/10/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

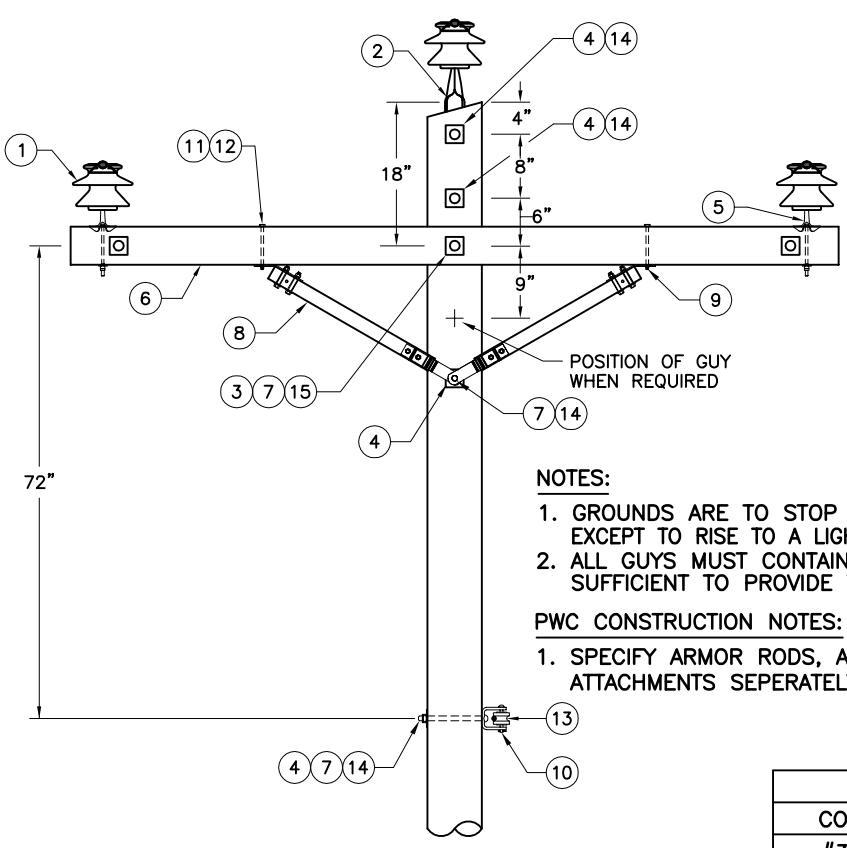
THREE PHASE, ALTERNATE VERTICAL LINE POST CONSTRUCTION, 25KV

ELECTRICITIES

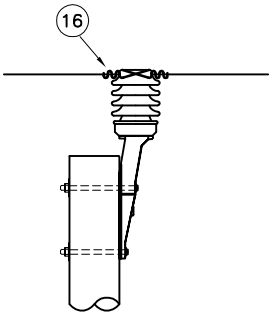
SCALE 1/2"=1'-0"

DWG. VC1LPA-VEC





FRONT VIEW



ALTERNATE

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	11°
#477 AAC	10°

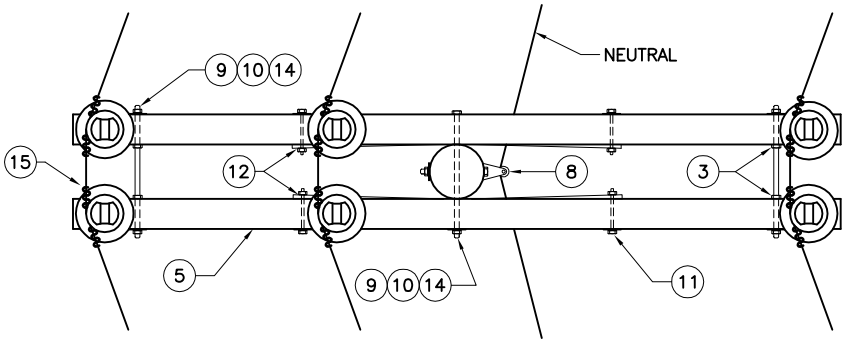
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1100568	PIN, POLE TOP, 20" X 1"	1
3	1325190	BOLT, MACHINE, 5/8" X 16", w/NUT	1
4	1325760	WASHER, SQUARE, CURVED, 3"	5
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	2
6	1100010	CROSSARM, 8' WOOD	1
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	5
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	1
9	1325735	WASHER, SPLIT RING, LOCK, 1/2"	2
10	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
11	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	2
12	1325710	WASHER, FLAT ROUND, 3/8"	2
13	1160130	INSULATOR, SPOOL, 53-2	1
14	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	4
15	1325765	WASHER, SQUARE, FLAT, 5/8"	1
16	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

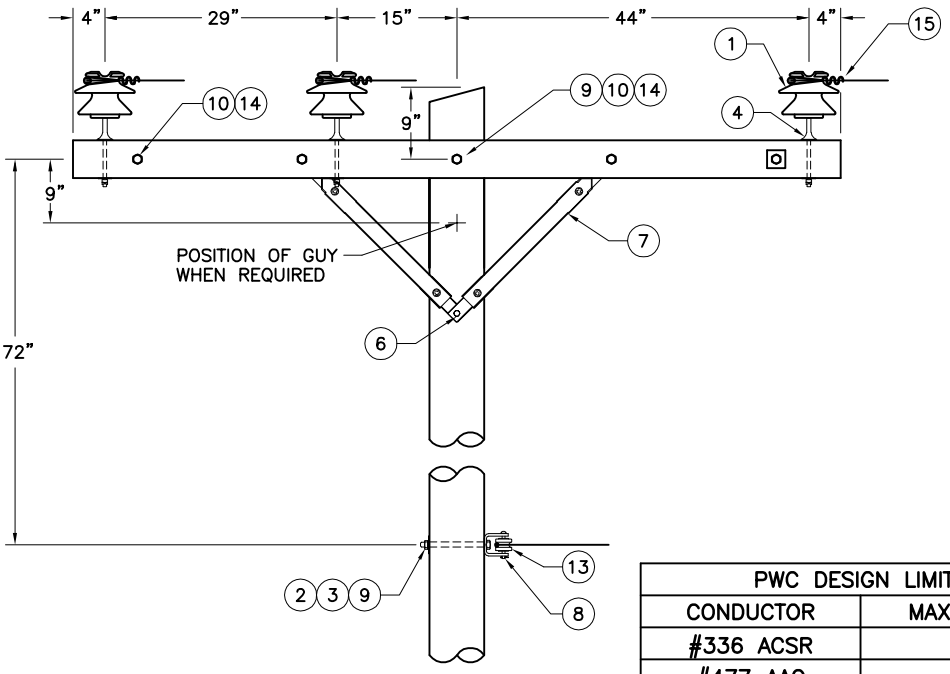
CROSSARM CONSTRUCTION, THREE PHASE LARGE CONDUCTOR, SINGLE ARM, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'-0"	VC1SEC



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	22°
#477 AAC	20°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
3	1325760	WASHER, SQUARE, CURVED, 3"	1
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	6
5	1100010	CROSSARM, 8" WOOD	2
6	1325145	SCREW, LAG, 1/2" X 4"	2
7	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
8	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
9	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	11
10	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
11	1325005	BOLT, CARRIAGE, 3/8"X 4-1/2", w/NUT	4
12	1325710	WASHER, FLAT, ROUND, 3/8"	4
13	1160130	INSULATOR, SPOOL, 53-2	1
14	1325765	WASHER, SQUARE, FLAT, 5/8"	10
15	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

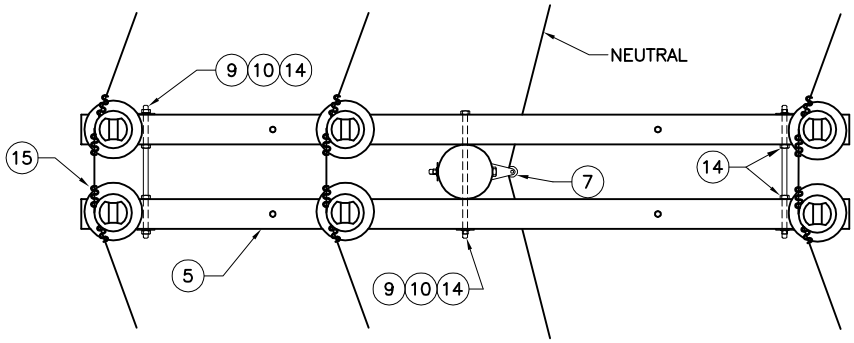
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR
CENTER PHASE ON DOUBLE ARMS, 25KV

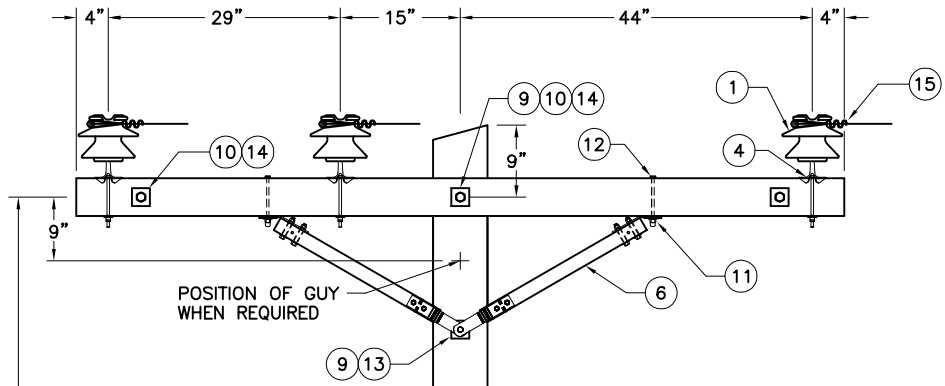
ELECTRICITIES

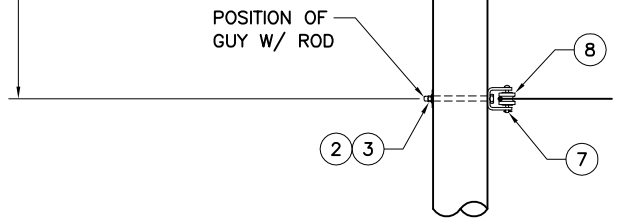
SCALE 1/2"=1'-0"

DWG. VC2-1EC



PLAN VIEW





FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	22°
#477 AAC	20°

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
3	1325760	WASHER, SQUARE, CURVED, 3"	1
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	6
5	1100010	CROSSARM, 8" WOOD	2
6	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
7	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
8	1160130	INSULATOR, SPOOL, 53-2	1
9	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	11
10	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
11	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	4
12	1325735	WASHER, SPLIT RING, LOCK, 1/2"	4
13	1325020	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1
14	1325765	WASHER, SQUARE, FLAT 5/8"	10
15	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
3			
2			
1			
0	4/7/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

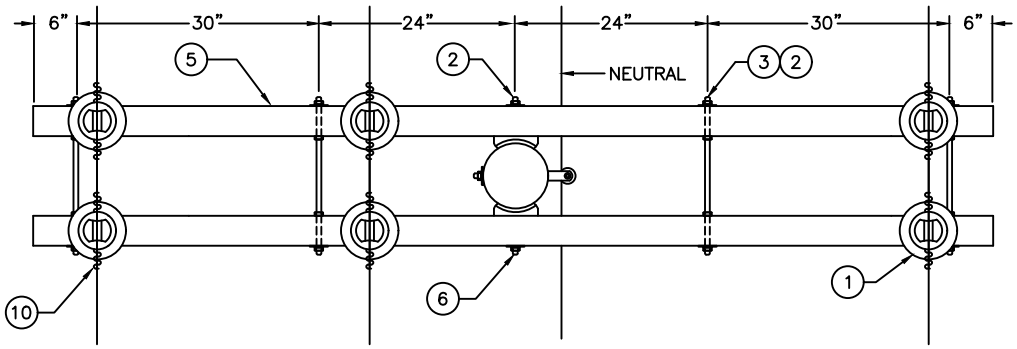
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR
CENTER PHASE ON DOUBLE ARMS, 25KV

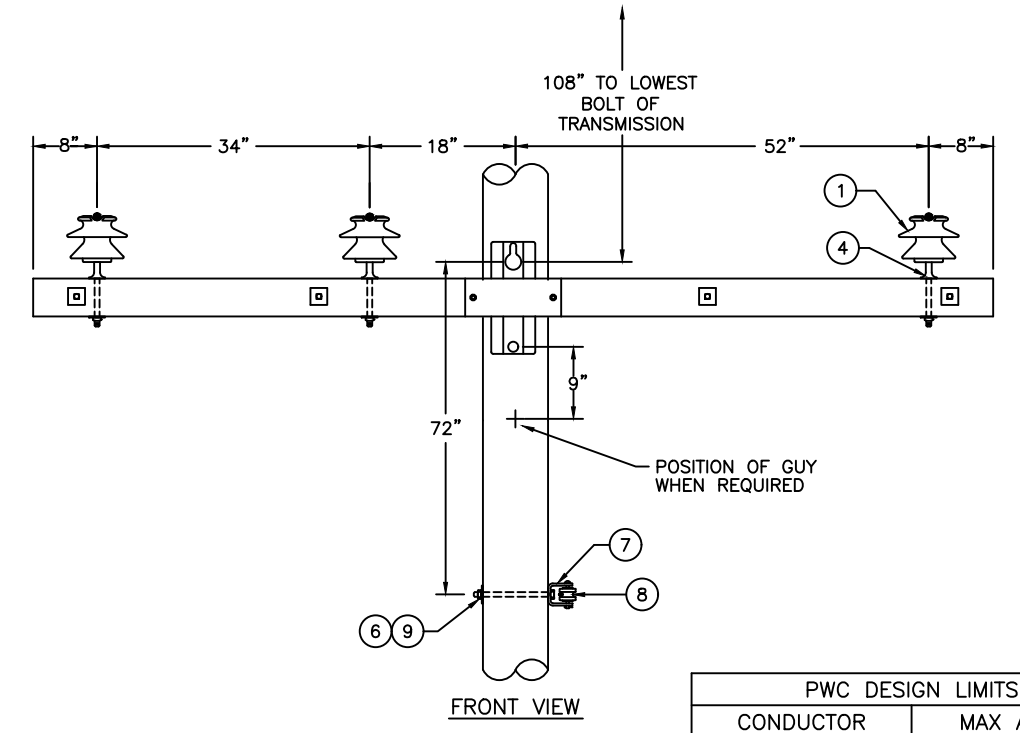
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC2-1SEC



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.
4. 10' FIBERGLASS ARM IS STANDARD CONSTRUCTION FOR DISTRIBUTION UNDERBUILD ON STEEL POLES.

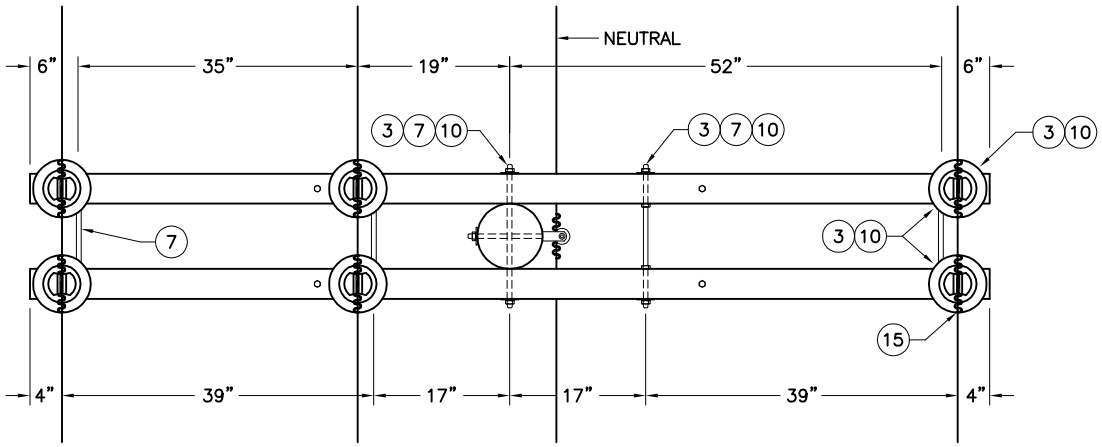
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1325025	BOLT, DOUBLE ARMING, 5/8" X 20" w/NUT	5
3	1325765	WASHER, SQUARE, FLAT, 5/8"	16
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	6
5	1100017	CROSSARM, 10 FOOT, FBGL. REIN. COMPOSITE	2
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	6
7	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
8	1160130	INSULATOR, SPOOL, 53-2	1
9	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
10	1065010	TIE WIRE, #4 SOLID ALUMINUM	48

PWC REVISIONS			
1	8/2023	DK	PWCOST
0	6/2020	WRW3	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	8/9/11	JLL	PWCOST
REVISED		BY	APPR.

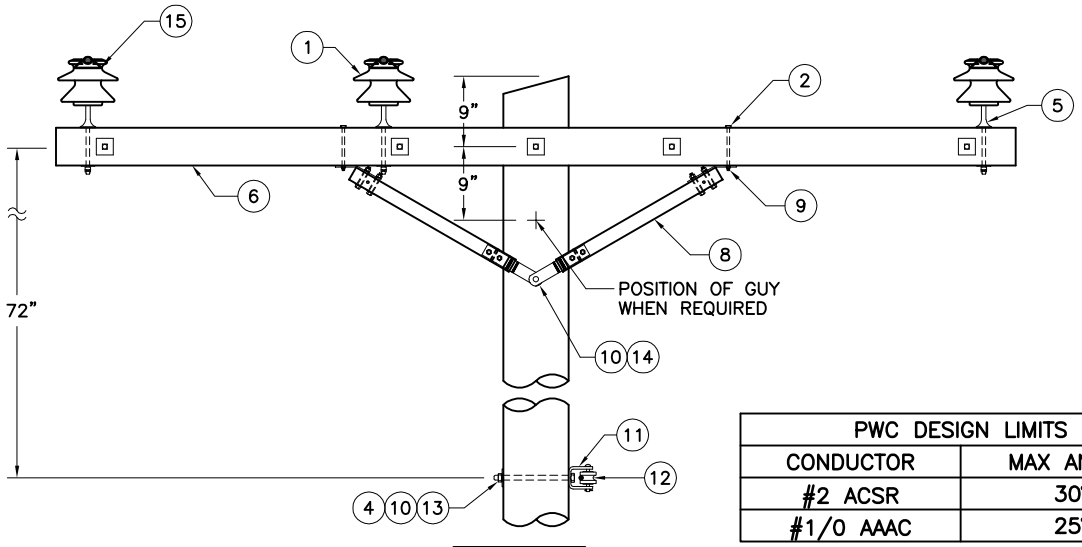
UNDERBUILD FBG. DOUBLE CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR CENTER PHASE ON ARM, 25KV

SCALE 1/2"=1'-0"

DWG. VC2-1SFBG



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°
#1/0 AAAC	25°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	4
3	1325765	WASHER, SQUARE, FLAT, 5/8"	18
4	1325760	WASHER, SQUARE, CURVED, 3"	1
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	6
6	1100015	CROSSARM, 10" WOOD	2
7	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	5
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
9	1325735	WASHER, SPLIT RING, LOCK, 1/2"	4
10	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	20
11	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
12	1160130	INSULATOR, SPOOL, 53-2	1
13	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
14	1325020	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1
15	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

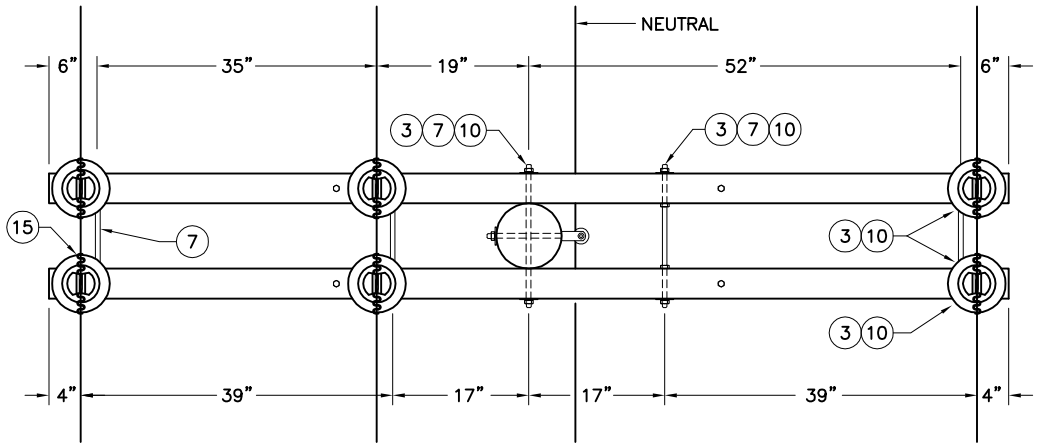
PWC REVISIONS			
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION THREE PHASE, CENTER PHASE ON ARM, 25KV

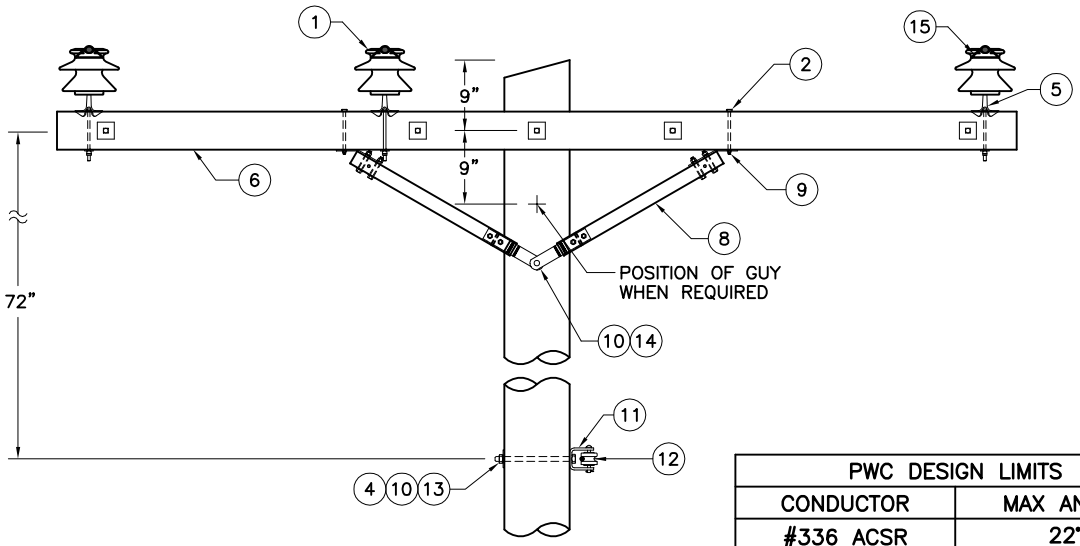
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC2-2EC



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	22°
#477 AAC	20°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	4
3	1325765	WASHER, SQUARE, FLAT, 5/8"	18
4	1325760	WASHER, SQUARE, CURVED, 3"	1
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	6
6	1100015	CROSSARM, 10" WOOD	2
7	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	5
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
9	1325735	WASHER, SPLIT RING, LOCK, 1/2"	4
10	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	20
11	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
12	1160130	INSULATOR, SPOOL, 53-2	1
13	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
14	1325020	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1
15	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

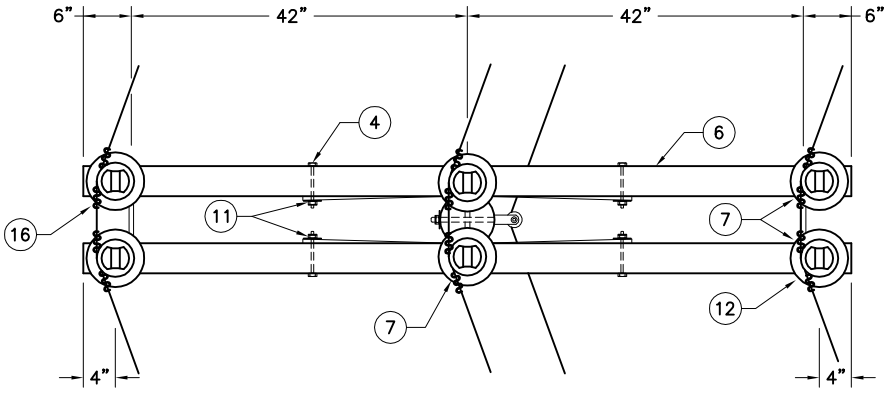
PWC REVISIONS			
3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

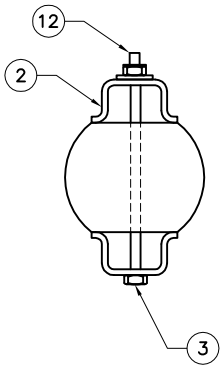
CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR
CENTER PHASE ON ARM, 25KV

ELECTRICITIES

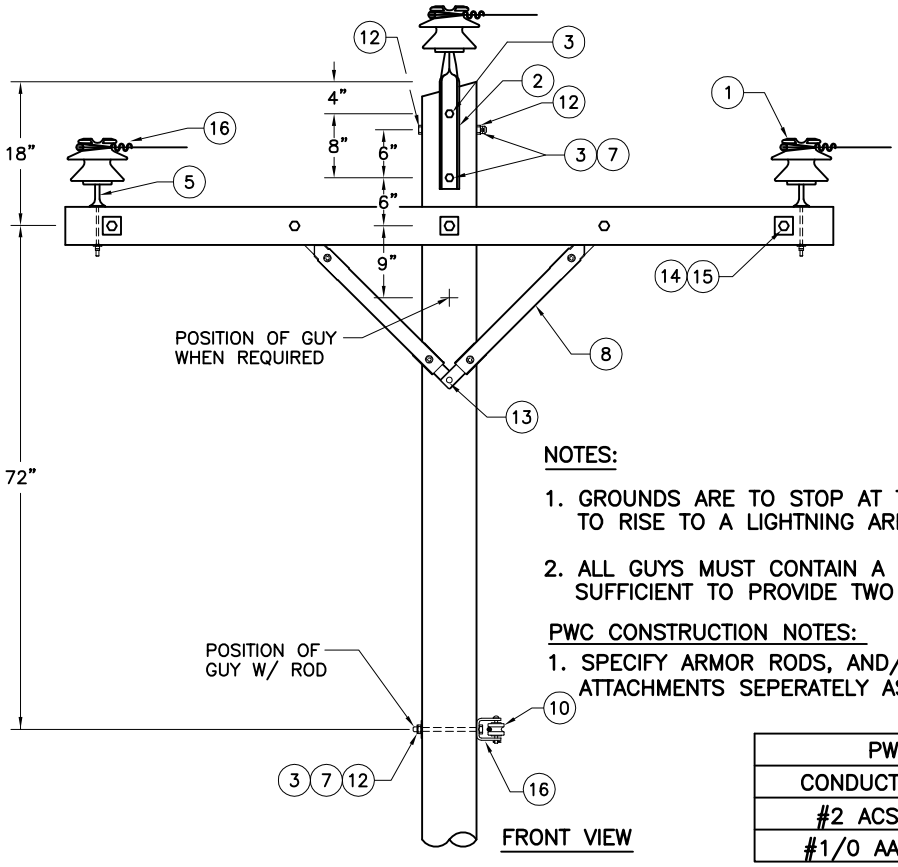
SCALE	DWG.
1/2"=1'-0"	VC2-2SEC



PLAN VIEW



POLE TOP PIN ASSEMBLY



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°
#1/0 AAAC	25°

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1100572	PIN, POLE TOP, 20" X 1", OFFSET	2
3	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	4
4	1325005	BOLT, CARRIAGE, 3/8"X 4-1/2", w/NUT	4
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
6	1100010	CROSSARM, 8" WOOD	2
7	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	14
8	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
9	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
10	1160130	INSULATOR, SPOOL, 53-2	1
11	1325710	WASHER, FLAT, ROUND, 3/8"	4
12	1325760	WASHER, SQUARE, CURVED, 3"	2
13	1325145	SCREW, LAG, 1/2" X 4"	2
14	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
15	1325765	WASHER, SQUARE, FLAT, 5/8"	10
16	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS			
3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

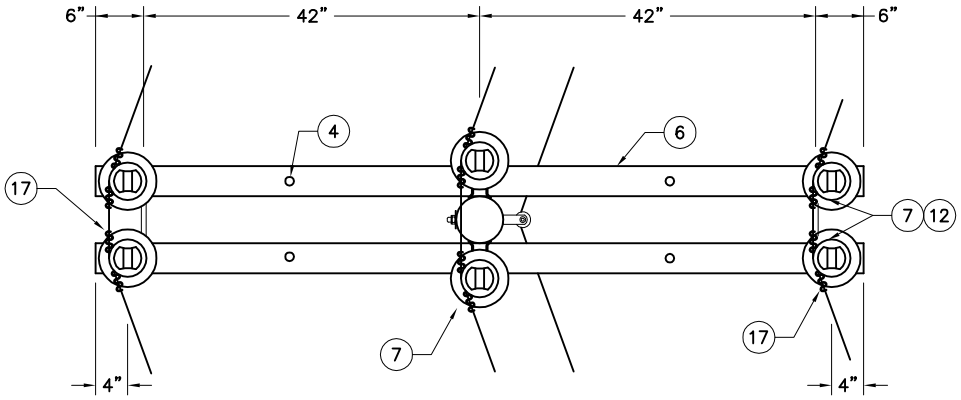
2	6/2020	WRW3	PWCOST
1	5/12/14	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

CROSSARM CONSTRUCTION THREE PHASE, DOUBLE ARM, 25KV

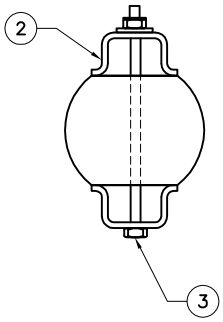
ELECTRICITIES

SCALE 1/2"=1'-0"

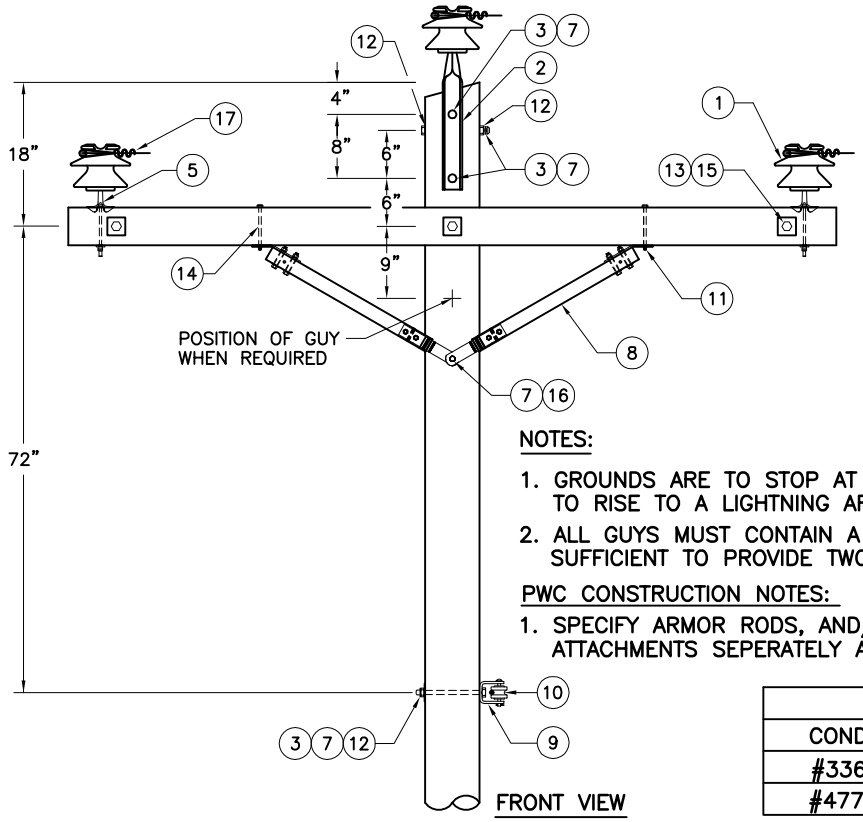
DWG. VC2EC



PLAN VIEW



POLE TOP PIN ASSEMBLY



FRONT VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	22°
#477 AAC	20°

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1100572	PIN, POLE TOP, 20" X 1", OFFSET	2
3	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	4
4	1325715	WASHER, FLAT, ROUND, 1/2"	4
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
6	1100010	CROSSARM, 8" WOOD	2
7	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	15
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
9	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
10	1160130	INSULATOR, SPOOL, 53-2	1
11	1325735	WASHER, SPLIT RING, LOCK, 1/2"	4
12	1325760	WASHER, SQUARE, CURVED, 3"	2
13	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
14	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	4
15	1325765	WASHER, SQUARE, FLAT, 5/8"	10
16	1325020	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1
17	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

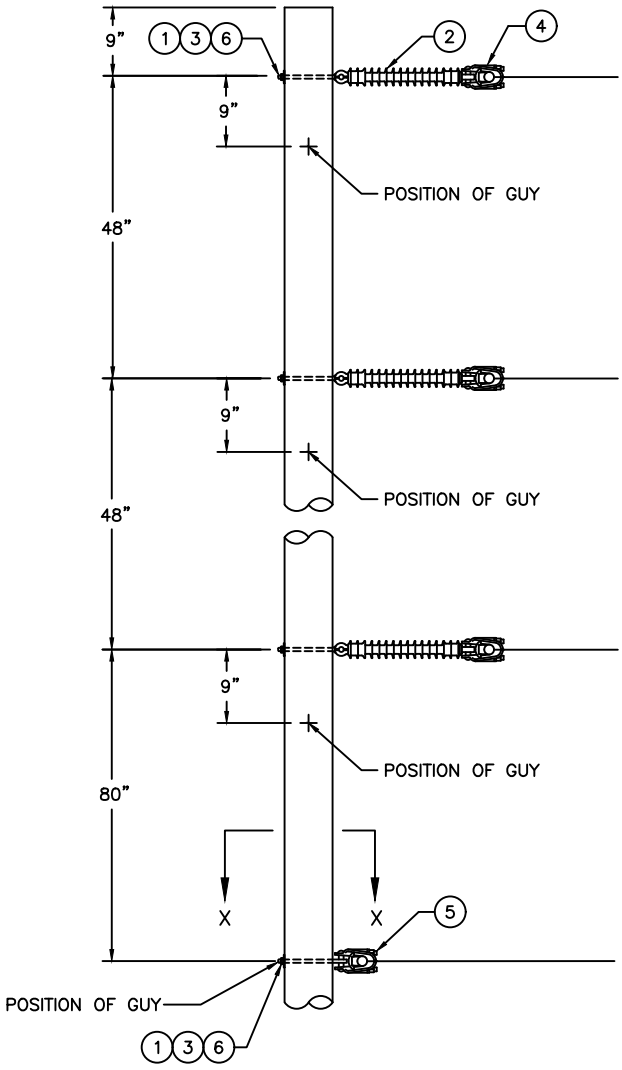
PWC REVISIONS			
3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

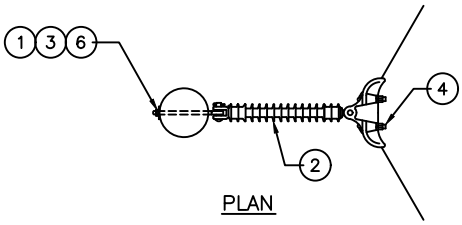
CROSSARM CONSTRUCTION THREE PHASE LARGE CONDUCTOR, DOUBLE ARM, 25KV

2	6/2020	WRW3	WRW3
1	5/12/14	WRW3	WRW3
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

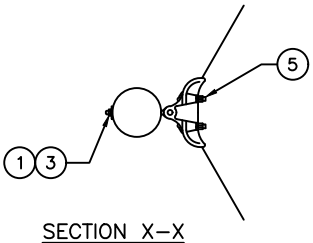
ELECTRICITIES

SCALE	DWG.
1/2"=1'-0"	VC2SEC





PLAN



SECTION X–X

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°–60°
#1/0 AAAC	30°–60°
#336 ACSR	22°–45°
#477 AAC	20°–45°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTOR OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	4
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	3
3	1325185	BOLT, MACHINE, 5/8" X 14"	4
4	–	ANGLE ASSEMBLY, PRIMARY (AS REQUIRED)	3
5	–	ANGLE ASSEMBLY, NEUTRAL (AS REQUIRED)	1
6	1325733	WASHER, DOUBLE COIL SPRING LOCK, 5/8"	4

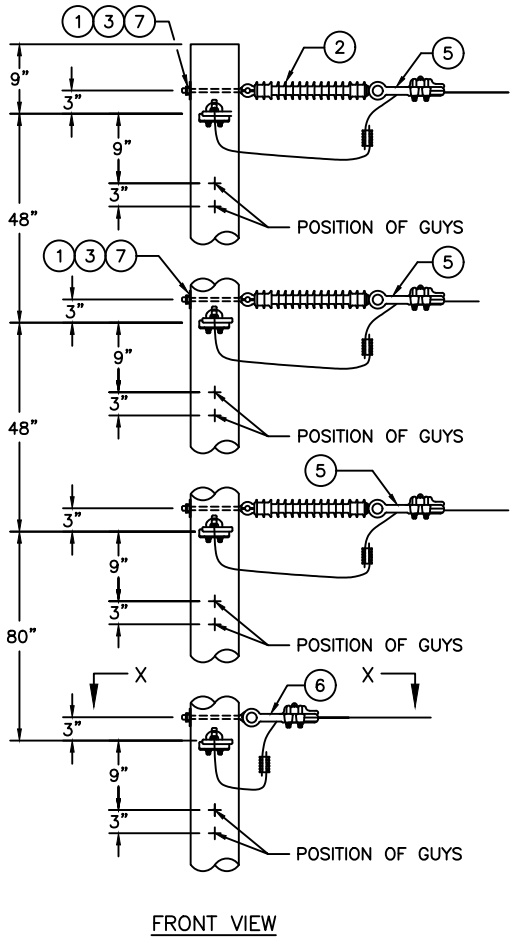
PWC REVISIONS			
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

VERTICAL CONSTRUCTION
THREE PHASE
SUSPENSION STRUCTURE, 25KV

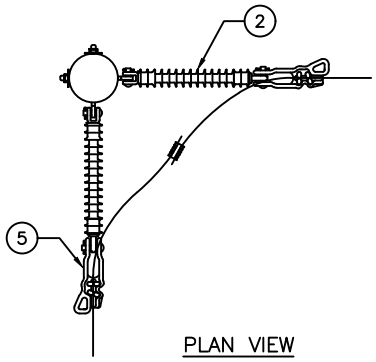
ELECTRICITIES

SCALE 1/2"=1'–0"

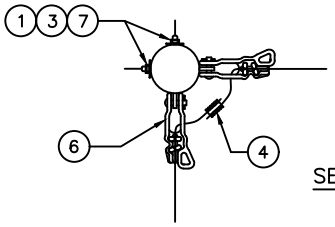
DWG. VC3EC



FRONT VIEW



PLAN VIEW



SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQAURE, CURVED, 3"	8
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	6
3	1325185	BOLT, MACHINE, 5/8" X 14"	8
4	1075245	CONNECTOR, PRL. GRVE., COMP., #1/7	4
5	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	6
6	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	2
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	8

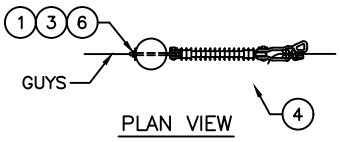
PWC REVISIONS			
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

VERTICAL CONSTRUCTION, THREE PHASE – CORNER STRUCTURE, DOUBLE DEADEND, 25KV

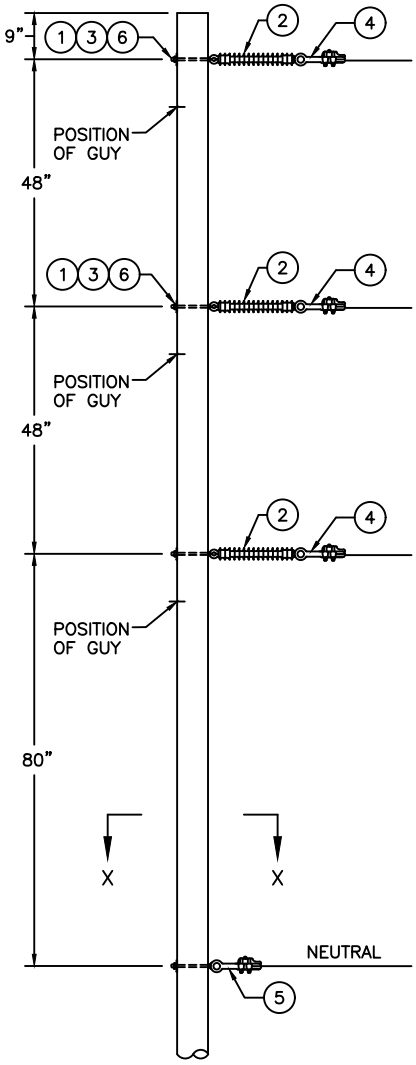
ELECTRICITIES

SCALE 1/2"=1'–0"

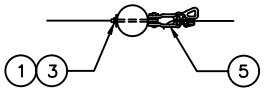
DWG. VC4EC



PLAN VIEW



PLAN VIEW



SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQAURE, CURVED, 3"	4
2	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	3
3	1325185	BOLT, MACHINE, 5/8" X 14"	4
4	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	3
5	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	1
6	1325535	NUT, SQUARE, 5/8"	4

PWC REVISIONS

2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

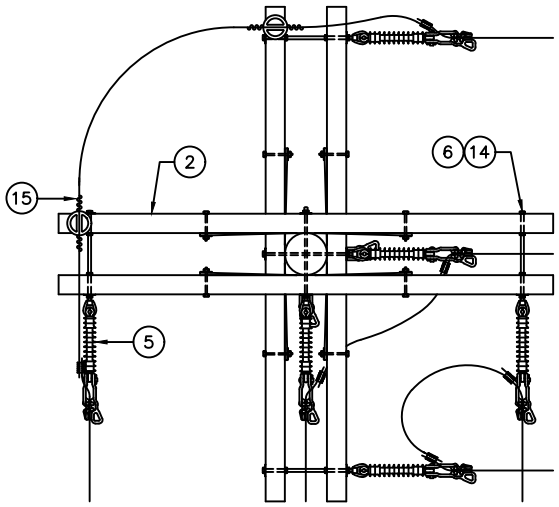
3			
2			
1			
0	12/14/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

VERTICAL CONSTRUCTION, THREE PHASE, DEADEND, 25KV

ELECTRICITIES

SCALE 1/2"=1'–6"

DWG. VC5EC



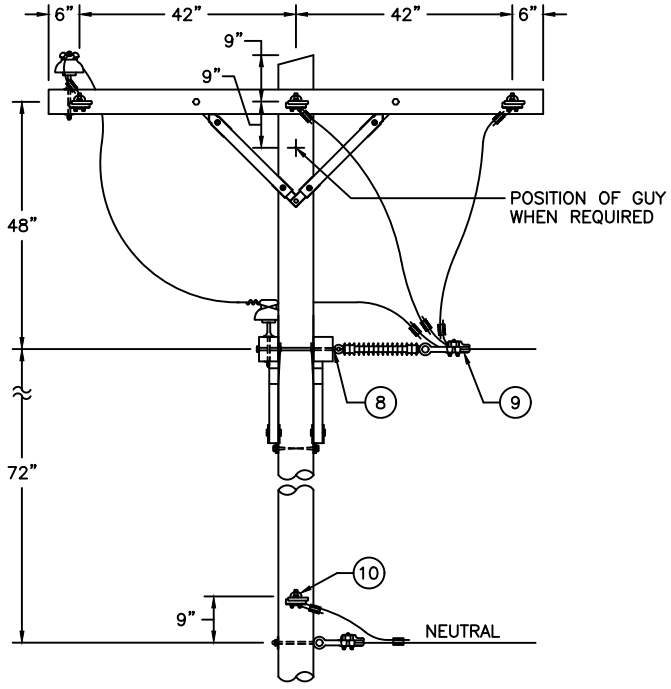
PLAN VIEW

NOTES:

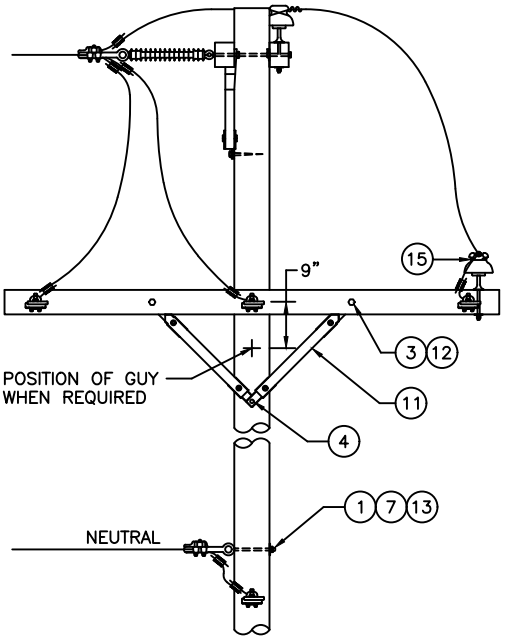
1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. ADD PIN INSULATOR SUPPORT FOR JUMPER CONDUCTORS AS NEEDED.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.



FRONT VIEW



SIDE VIEW

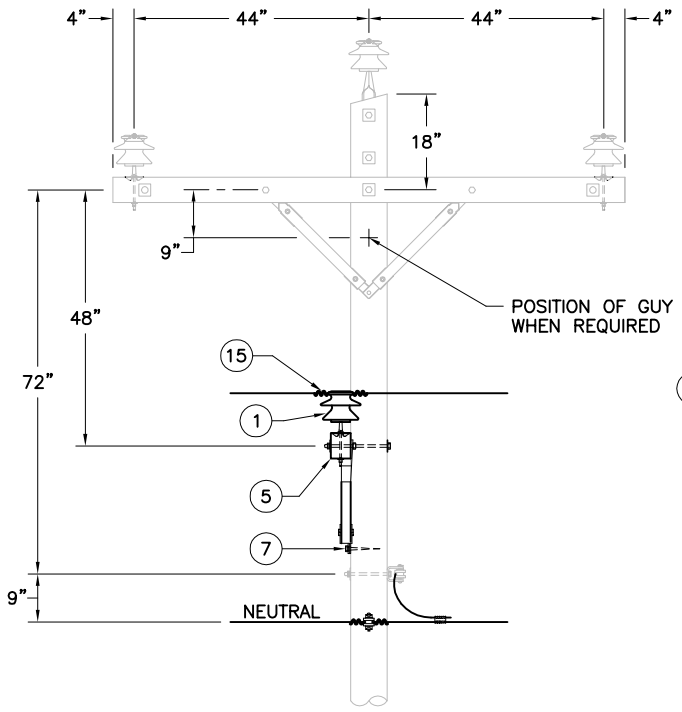
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	2
2	1100010	CROSSARM, 8" WOOD	4
3	1325005	BOLT, CARRAGE, 3/8" X 4-1/2" w/NUT	8
4	1325145	SCREW, LAG, 1/2" X 4"	4
5	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	6
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	6
7	1325080	BOLT, OVAL, EYE, 5/8" X 12"	1
8	1325530	NUT, EYE, GALV, 5/8"	6
9	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	6
10	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	2
11	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	4
12	1325710	WASHER, FLAT, ROUND, 3/8"	8
13	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	22
14	1325765	WASHER, SQUARE, FLAT, 5/8"	20
15	1065010	TIE WIRE, #4 SOLID ALUMINUM	12

PWC REVISIONS			
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	2/26/07	CADD GRAPHICS	OST
REVISED		BY	APPR.

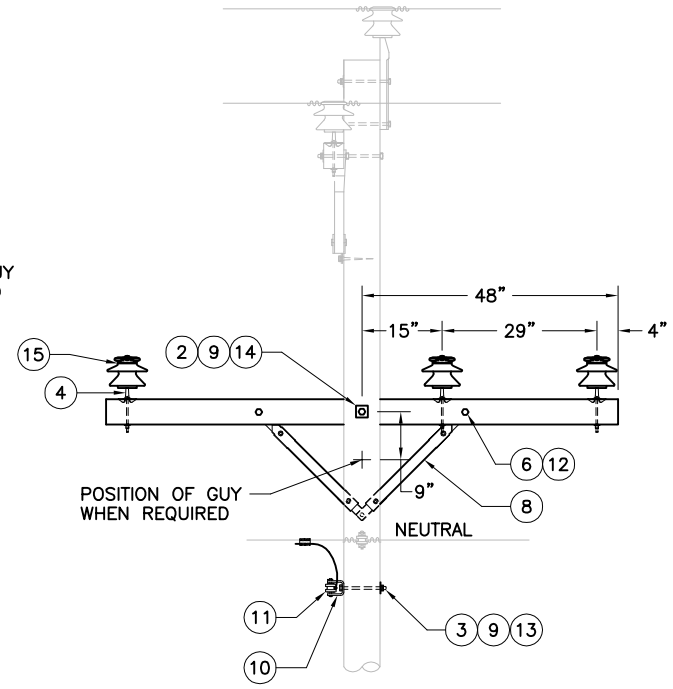
CROSSARM CONSTRUCTION, THREE-PHASE
DOUBLE DEADEND, CORNER CONSTRUCTION, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'-6"	VC6-1EC



FRONT VIEW



SIDE VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1325190	BOLT, MACHINE, 5/8" X 16", w/NUT	1
3	1325760	WASHER, SQUARE, CURVED, 3"	2
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	3
5	1100010	CROSSARM, 8" WOOD	1
6	1325005	BOLT, CARRIAGE, 3/8" X 4 1/2", w/NUT	2
7	1325145	SCREW, LAG, 1/2" X 4"	1
8	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	1
9	1325740	WASHER, LOCK, 5/8"	3
10	1230010	CLEVIS, INSULATED SECONDARY, DEADEND	1
11	1160130	INSULATOR, SPOOL, 53-2	1
12	1325710	WASHER, FLAT, ROUND, 3/8"	2
13	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
14	1325765	WASHER, SQUARE, FLAT, 5/8"	1
15	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

REVISED	BY	APPR
1 6/2020	WRW3	PWCOST
0 12/3/07	JLL	PWCOST

PWC REVISIONS

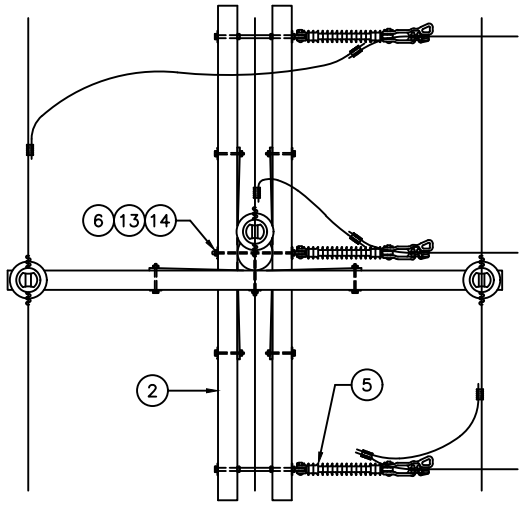
REVISED	BY	APPR.
0 1/18/07	CADD GRAPHICS	OST

CROSSARM CONSTRUCTION, THREE-PHASE
SINGLE LINE ARM, 25KV

ELECTRICITIES

SCALE 1/2"=1'-6"

DWG. VC6EC



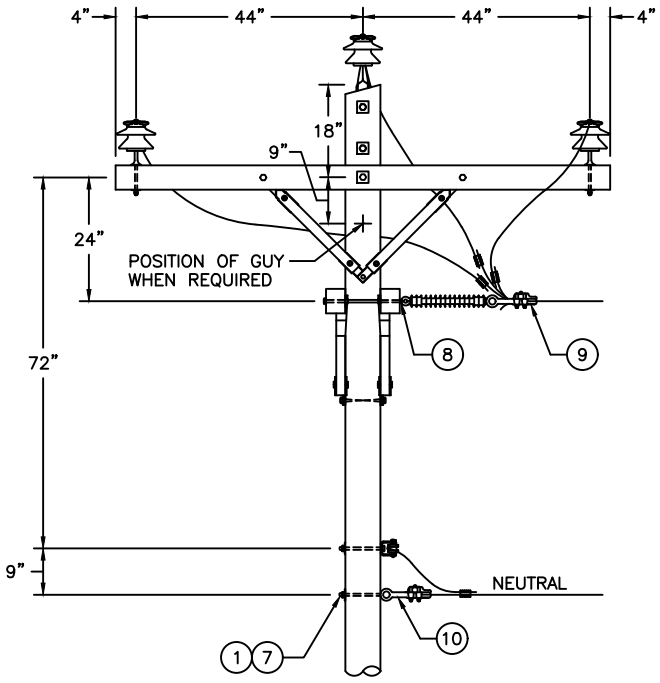
PLAN VIEW

NOTES:

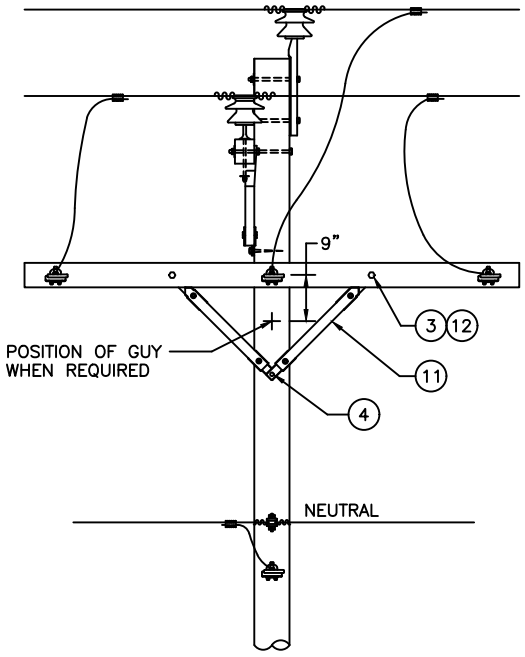
1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. ADD PIN INSULATOR SUPPORT FOR JUMPER CONDUCTORS AS NEEDED.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERARELY AS REQUIRED.



FRONT VIEW



SIDE VIEW

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	1
2	1100010	CROSSARM, 8" WOOD	2
3	1325005	BOLT, CARRAGE, 3/8" X 4-1/2" w/NUT	4
4	1325145	SCREW, LAG, 1/2" X 4"	2
5	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	3
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
7	1325080	BOLT, OVAL, EYE, 5/8" X 12"	1
8	1325530	NUT, EYE, GALV, 5/8"	3
9	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	3
10	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	1
11	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
12	1325710	WASHER, FLAT, ROUND, 3/8"	4
13	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	11
14	1325765	WASHER, SQUARE, FLAT, 5/8"	10

PWC REVISIONS			
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

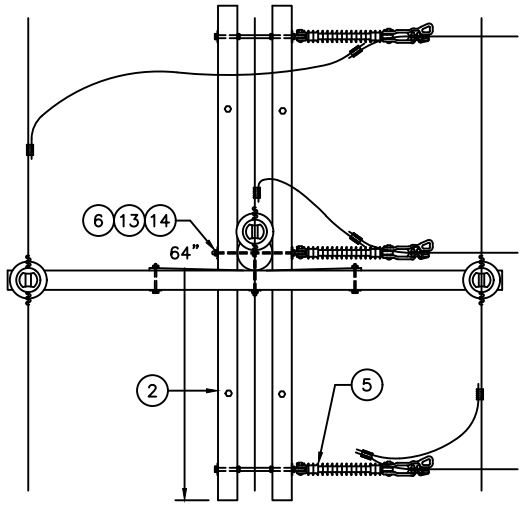
3			
2			
1			
0	1/18/07	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION THREE-PHASE TAP ARM, 25KV

ELECTRICITIES

SCALE 1/2"=1'-6"

DWG. VC7-2EC



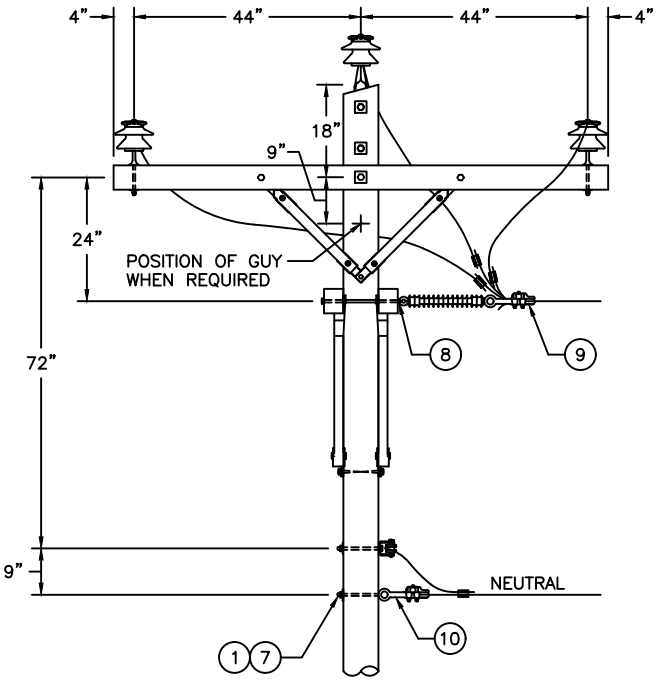
PLAN VIEW

NOTES:

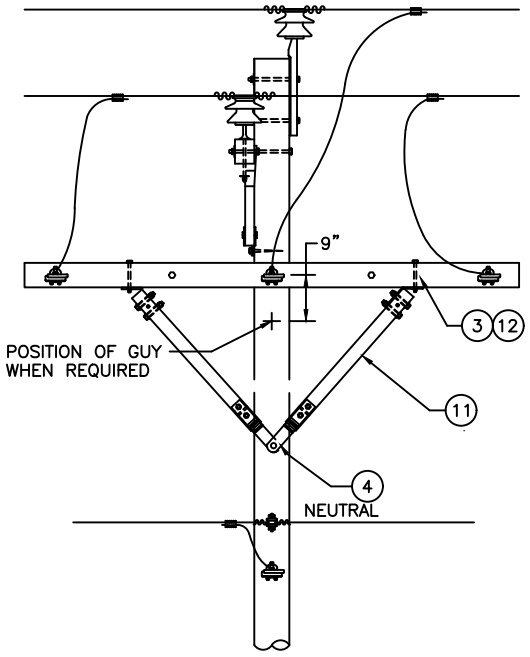
1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. ADD PIN INSULATOR SUPPORT FOR JUMPER CONDUCTORS AS NEEDED.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERARELY AS REQUIRED.



FRONT VIEW



SIDE VIEW

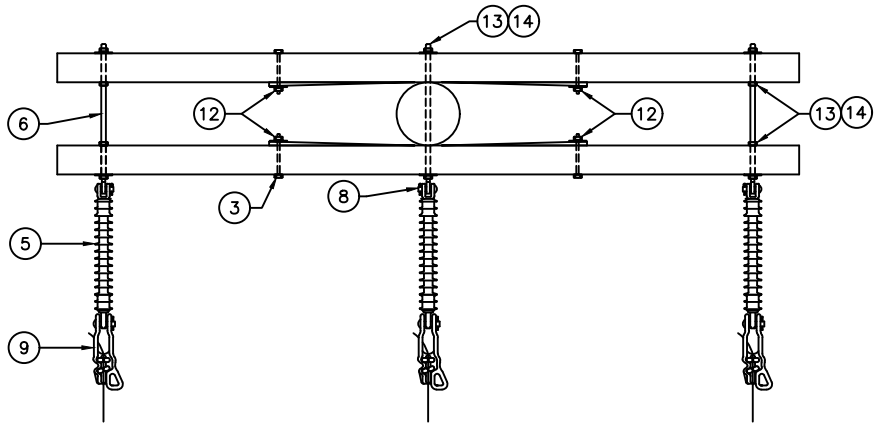
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	1
2	1100010	CROSSARM, 8" WOOD	2
3	1325155	BOLT, MACHINE, 1/2" X 6" w/NUT	4
4	1325145	SCREW, LAG, 1/2" X 4"	2
5	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	3
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
7	1325080	BOLT, OVAL, EYE, 5/8" X 12"	1
8	1325530	NUT, EYE, GALV, 5/8"	3
9	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	3
10	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	1
11	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
12	1325735	WASHER, SPLIT-RING LOCK, 1/2"	4
13	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	11
14	1325765	WASHER, SQUARE, FLAT, 5/8"	10

PWC REVISIONS			
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	5/08/13	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	1/19/12	WJJ	OST
REVISED		BY	APPR.

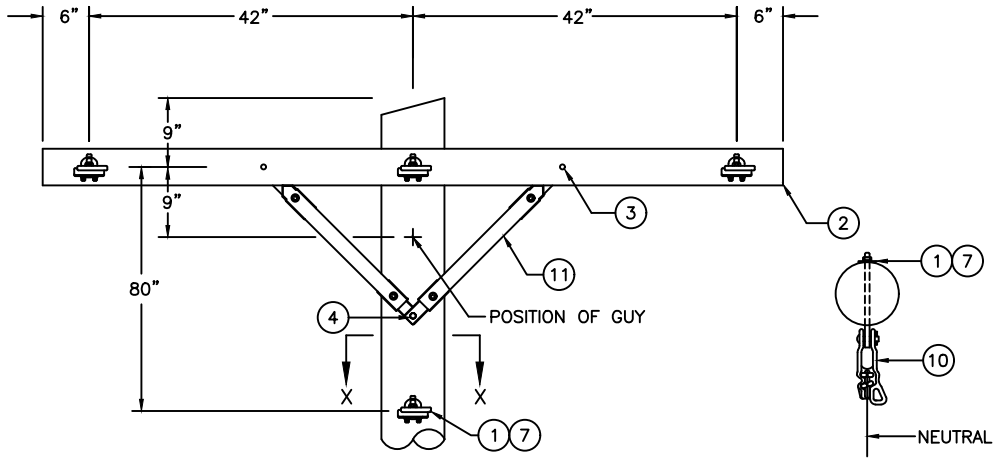
CROSSARM CONSTRUCTION THREE-PHASE TAP ARM, LARGE CONDUCTOR 25KV

SCALE 1/2"=1'-6"

DWG. VC7-2S



PLAN VIEW



FRONT VIEW

SECTION X–X

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.

2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325760	WASHER, SQUARE, CURVED, 3"	1
2	1100010	CROSSARM, 8" WOOD	2
3	1325005	BOLT, CARRAGE, 3/8" X 4–1/2" w/NUT	4
4	1325145	SCREW, LAG, 1/2" X 4"	2
5	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	3
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
7	1325080	BOLT, OVAL, EYE, 5/8" X 12"	1
8	1325530	NUT, EYE, GALV, 5/8"	3
9	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	3
10	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	1
11	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
12	1325710	WASHER, FLAT, ROUND, 3/8"	4
13	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	11
14	1325765	WASHER, SQUARE, FLAT, 5/8"	10

REVISED		BY	APPR
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST

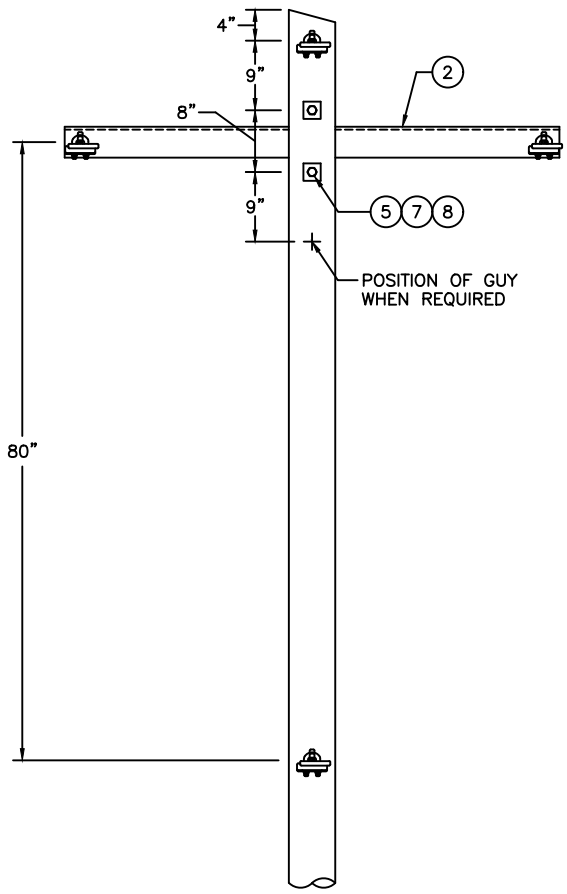
PWC REVISIONS

REVISED		BY	APPR.
0	2/1/05	CADD GRAPHICS	OST

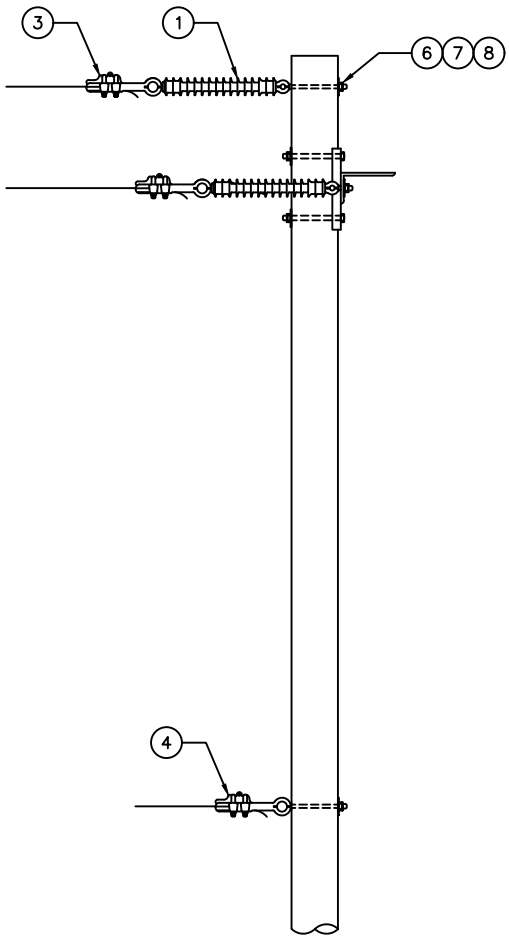
CROSSARM CONSTRUCTION, THREE PHASE, DEADEND, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'–0"	VC7EC



FRONT VIEW



SIDE VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160026	INSULATOR, 35 KV DEAD-END, SILICONE POLYMER	3
2	1100023	CROSSARM, 60-INCH, STEEL	1
3	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	3
4	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	1
5	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
6	1325080	BOLT, OVAL EYE, 5/8" X 12", w/NUT	4
7	1325760	WASHER, SQUARE, CURVED, 3"	3
8	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	6

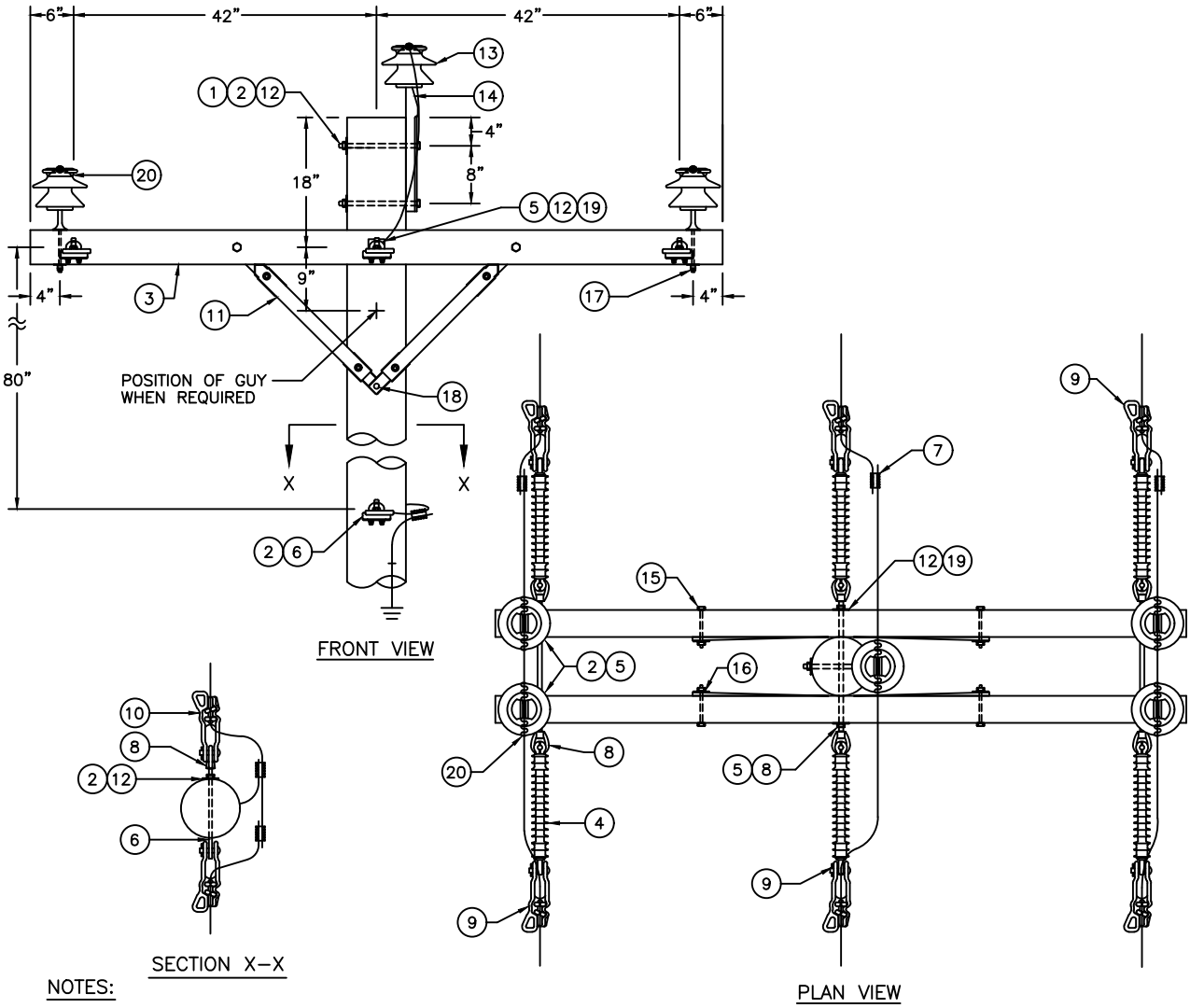
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2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	2/10/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

STEEL ARM THREE PHASE DEADEND, 25KV

ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC7SEC



NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
2	1325760	WASHER, SQUARE, CURVED, 3"	4
3	1100010	CROSSARM, 8" WOOD	2
4	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	6
5	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
6	1325085	BOLT, OVAL EYE, 5/8" X 14"	1
7	1075245	CONNECTOR PRL. GRVE. COMP., #1/7	1
8	1325535	NUT, SQUARE, 5/8"	7
9	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	6
10	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	2
11	1100530	BRACE, CROSSARM, WOOD, 38" X 18"	2
12	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	14
13	1160065	INSULATOR, PIN–TYPE, ANSI 55–6	5
14	1100568	PIN, POLE TOP, 20"	1
15	1325005	BOLT, CARRAGE, 3/8" X 4–1/2" w/NUT	4
16	1325710	WASHER, FLAT, ROUND, 3/8"	4
17	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
18	1325145	SCREW, LAG, 1/2" X 4"	2
19	1325765	WASHER, SQUARE, FLAT, 5/8"	10
20	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

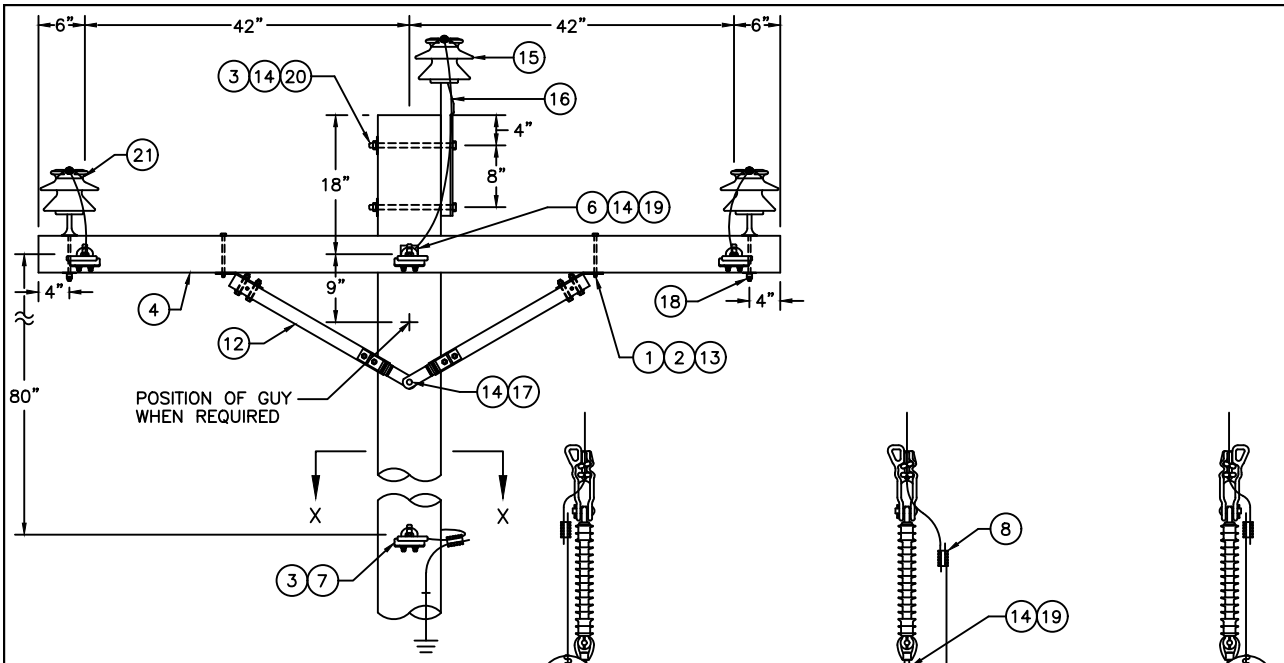
PWC REVISIONS			
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0	11/10/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION
THREE PHASE, DOUBLE DEADEND, 25KV

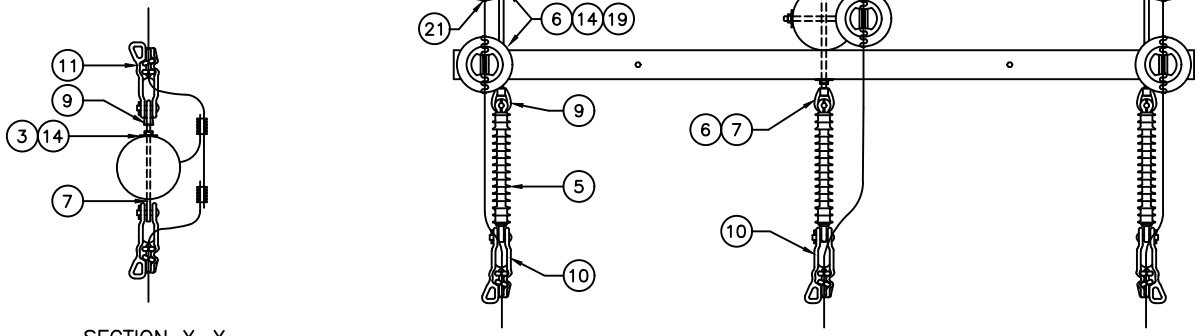
ELECTRICITIES

SCALE 1/2"=1'–0"

DWG. VC8–1EC



FRONT VIEW



SECTION X–X

PLAN VIEW

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	4
2	1325735	WASHER, SPLIT RING, LOCK, 1/2"	4
3	1325760	WASHER, SQUARE, CURVED, 3"	4
4	1100010	CROSSARM, 8" WOOD	2
5	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	6
6	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	3
7	1325085	BOLT, OVAL EYE, 5/8" X 14"	1
8	1075245	CONNECTOR PRL. GRVE. COMP., #1/7	1
9	1325535	NUT, SQUARE, 5/8"	6
10	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	6
11	–	CLAMP, AL. STRAIGHT D.E. (AS REQUIRED)	2
12	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	4
13	1325715	WASHER, FLAT, ROUND, 1/2"	4
14	1325740	WASHER, LOCK, 5/8"	15
15	1160065	INSULATOR, PIN–TYPE, ANSI 55–6	5
16	1100568	PIN, POLE TOP, 20"	1
17	1325020	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1
18	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
19	1325765	WASHER, SQUARE, FLAT, 5/8"	10
20	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
21	1065010	TIE WIRE, #4 SOLID ALUMINUM	24

PWC REVISIONS

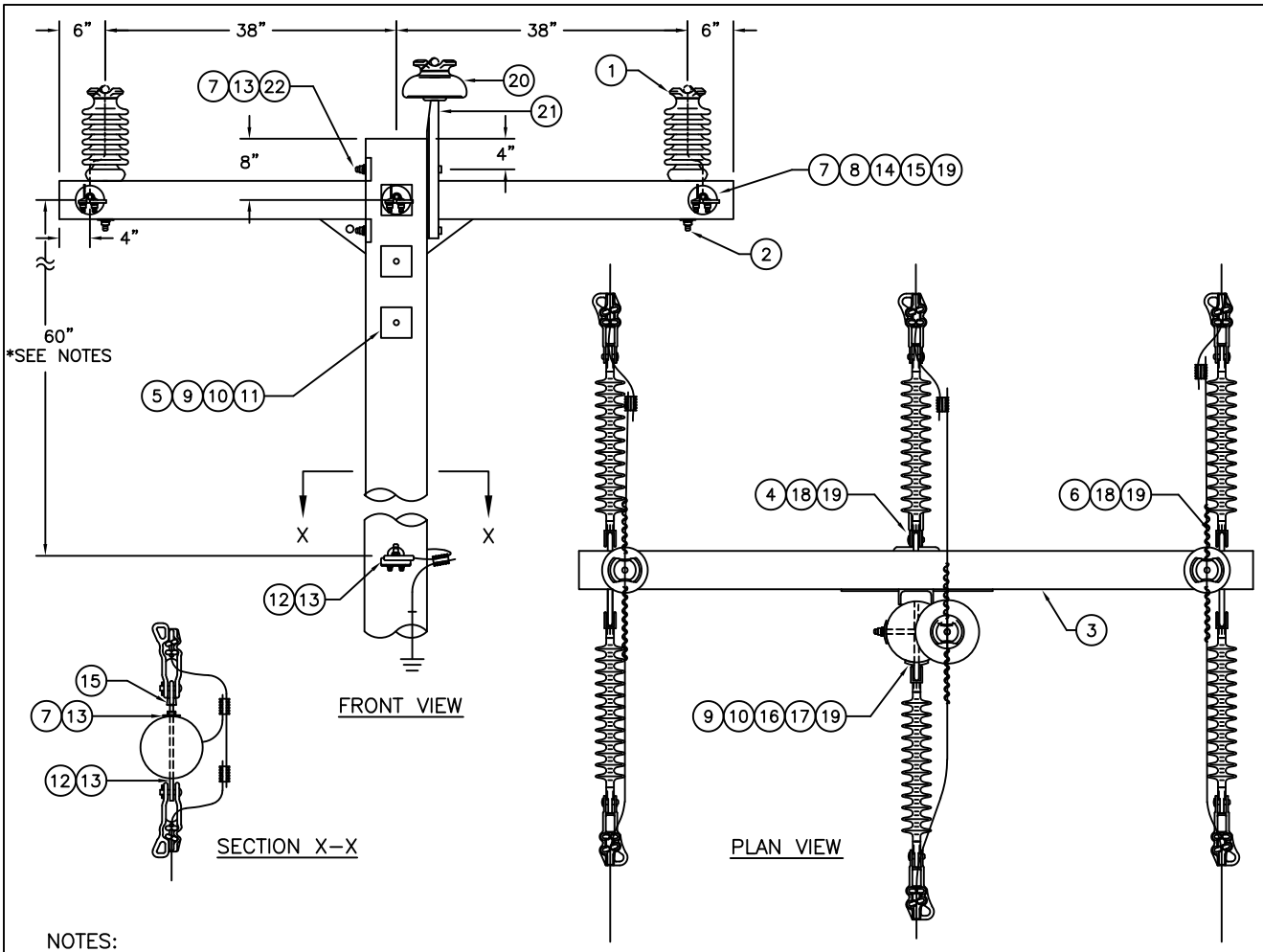
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1			
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REVISED		BY	APPR.
2	06/05/23	D. KELTON	PWCOST
1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

CROSSARM CONSTRUCTION, THREE PHASE, LARGE CONDUCTOR DOUBLE DEADEND, 25KV

ELECTRICITIES

SCALE 1/2"=1'–0"

DWG. VC8–1SEC



NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, JUMPERS AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPARATELY AS REQUIRED.
2. RECOMMEND USING 72" SPACING BETWEEN TOP CROSSARM MOUNTING BOLT AND NEUTRAL INSULATOR WHEN PRIMARY DIP IS PRESENT ON POLE.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160073	INSULATOR, LINE POST, TIE–TOP, 35 KV	2
2	1100538	STUD, INSULATOR, LONG	2
3	1100024	CROSSARM, STEEL DEAD–END, 88"	1
4	1325225	BOLT, MACHINE, 3/4" X 18" w/ NUT	1
5	1325210	BOLT, MACHINE, 3/4" X 12" w/ NUT	2
6	1325165	BOLT, MACHINE, 5/8" X 7" w/ NUT	2
7	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	5
8	1325720	WASHER, FLAT ROUND, 5/8"	4
9	1325780	WASHER, SQUARE/CURVED, 4"	3
10	1325734	WASHER, DOUBLE COIL, SPRING LOCK, 3/4"	3
11	1325725	WASHER, FLAT ROUND, 3/4"	3
12	1325085	BOLT, OVAL EYE, 5/8" X 14"	1
13	1325760	WASHER, SQUARE/CURVED, 3"	4
14	1325525	NUT, EYE, GALV, 5/8"	3
15	1325535	NUT, SQUARE, 5/8"	4
16	1325530	NUT, EYE, GALV, 3/4"	1
17	1325540	NUT, SQUARE, 3/4"	1
18	1325610	EYELET, 5/8" – 3/4", 10,000#	3
19	1160026	INSULATOR, 35 KV DEAD–END, SILICONE POLYMER	6
20	1160065	INSULATOR, PIN–TYPE, ANSI 55–6	1
21	1100568	PIN, POLE TOP, 20" X 1"	1
22	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	2
23	1065010	WIRE, TIE, #4 SOLID ALUMINUM	12'

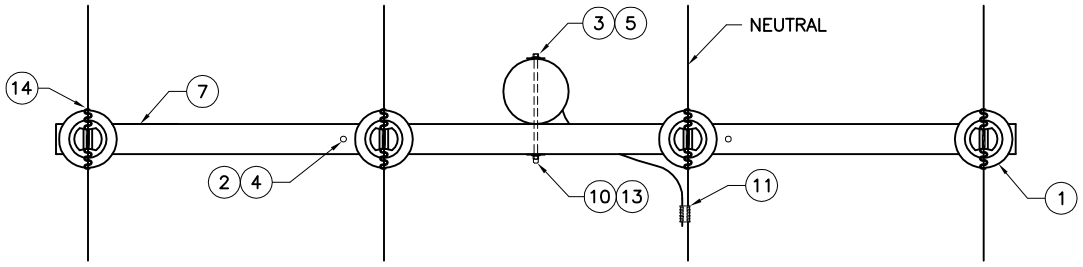
REVISED	BY	APPR
0 5/5/2023	JEC	PWCOST

PWC REVISIONS

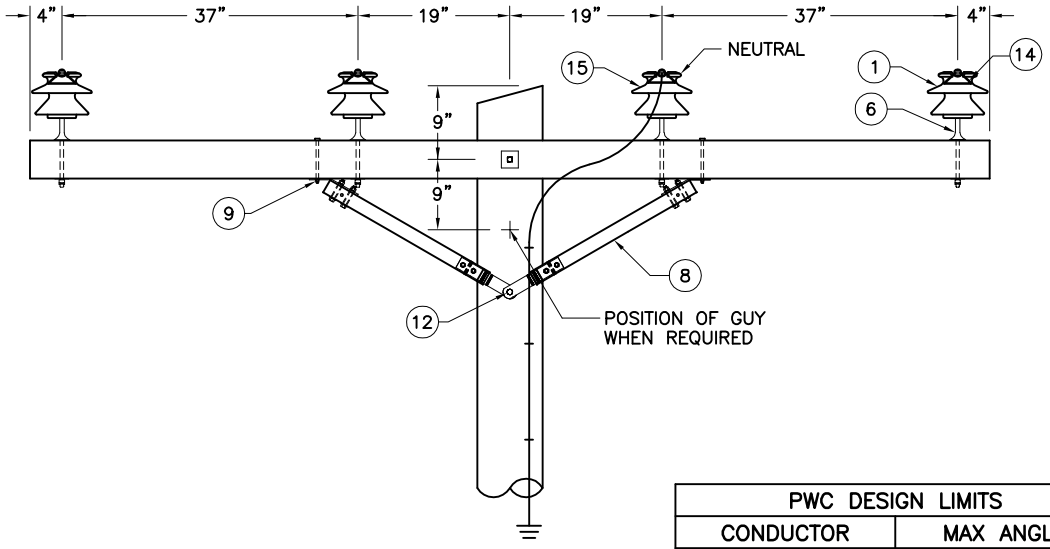
3			
2			
1			
0			
REVISED	BY	APPR.	

STEEL CROSSARM CONSTRUCTION THREE PHASE DOUBLE DEADEND W/ FEED THRU 25KV

SCALE	DWG.
1/2"=1'-0"	VC8–1SSTL



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	15°
#1/0 AAAC	12°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATORS PER NESC 220B2B.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	3
2	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	2
3	1325190	BOLT, MACHINE, GALV., 5/8" X 16", w/NUT	1
4	1325735	WASHER, SPLIT RING, LOCK, 1/2"	2
5	1325760	WASHER, SQUARE, CURVED, 3"	1
6	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
7	1100015	CROSSARM, 10" WOOD	1
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
9	1325715	WASHER, FLAT, ROUND, 1/2"	2
10	1325740	WASHER, LOCK, 5/8"	2
11	1075245	CONNECTOR, PRL. GRVE. COMP., #1/7	1
12	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
13	1325765	WASHER, SQUARE, FLAT, 5/8"	1
14	1065010	TIE WIRE, #4 SOLID ALUMINUM	32
15	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	1

PWC REVISIONS			
3	6/2020	WRW3	PWCOST
2	09/21/09	JLL	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

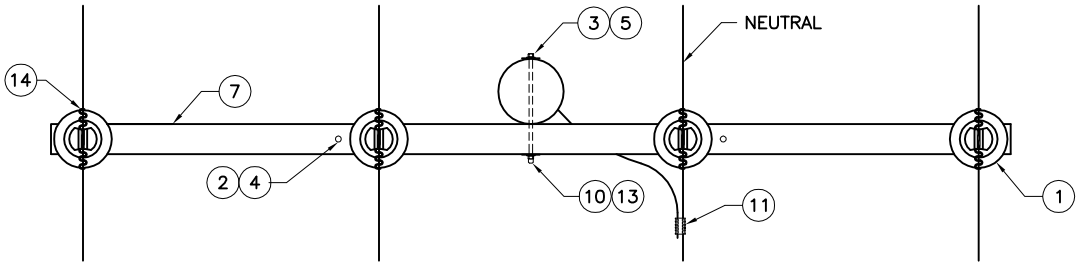
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION, THREE PHASE NEUTRAL ON SINGLE ARM, 25KV

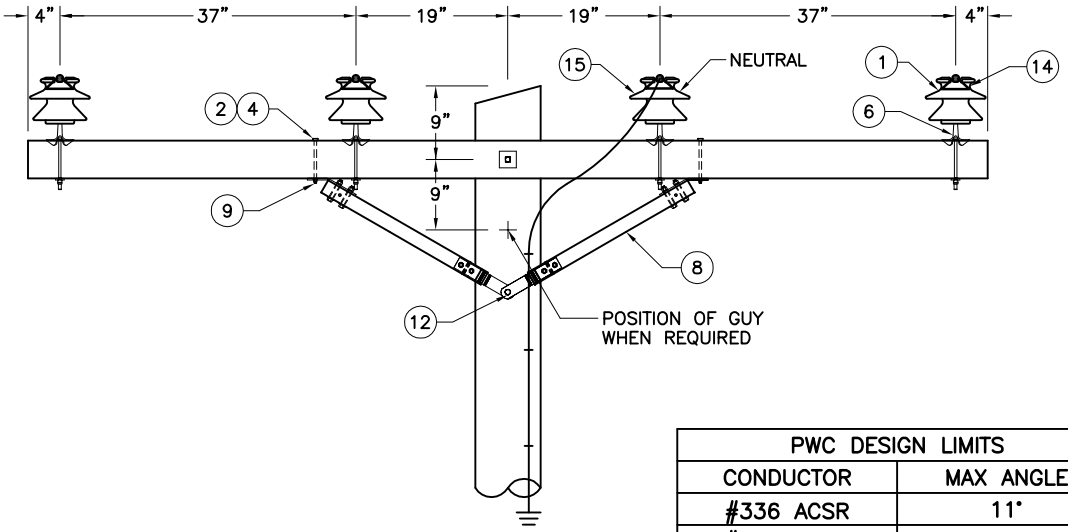
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC9-1EC



PLAN VIEW



PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATORS PER NESC 220B2B.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	3
2	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	2
3	1325190	BOLT, MACHINE, GALV., 5/8" X 16", w/NUT	1
4	1325715	WASHER, FLAT, ROUND, 1/2"	2
5	1325760	WASHER, SQUARE, CURVED, 3"	1
6	1100562	PIN, CROSSARM, SADDLE, 1" X 6"	4
7	1100015	CROSSARM, 10" WOOD	1
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
9	1325735	WASHER, SPLIT RING, LOCK, 1/2"	2
10	1325740	WASHER, LOCK, 5/8"	2
11	1075245	CONNECTOR, PRL. GRVE. COMP., #1/7	1
12	1325180	BOLT, MACHINE, 5/8" X 12", w/NUT	1
13	1325765	WASHER, SQUARE, FLAT, 5/8"	1
14	1065010	TIE WIRE, #4 SOLID ALUMINUM	32
15	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	1

PWC REVISIONS			
3	6/2020	WRW3	PWCOST
2	09/21/09	JLL	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

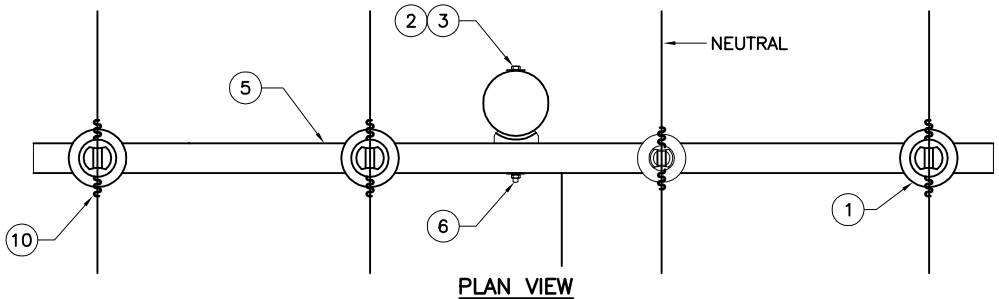
3			
2			
1			
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR
NEUTRAL ON SINGLE ARM 25KV

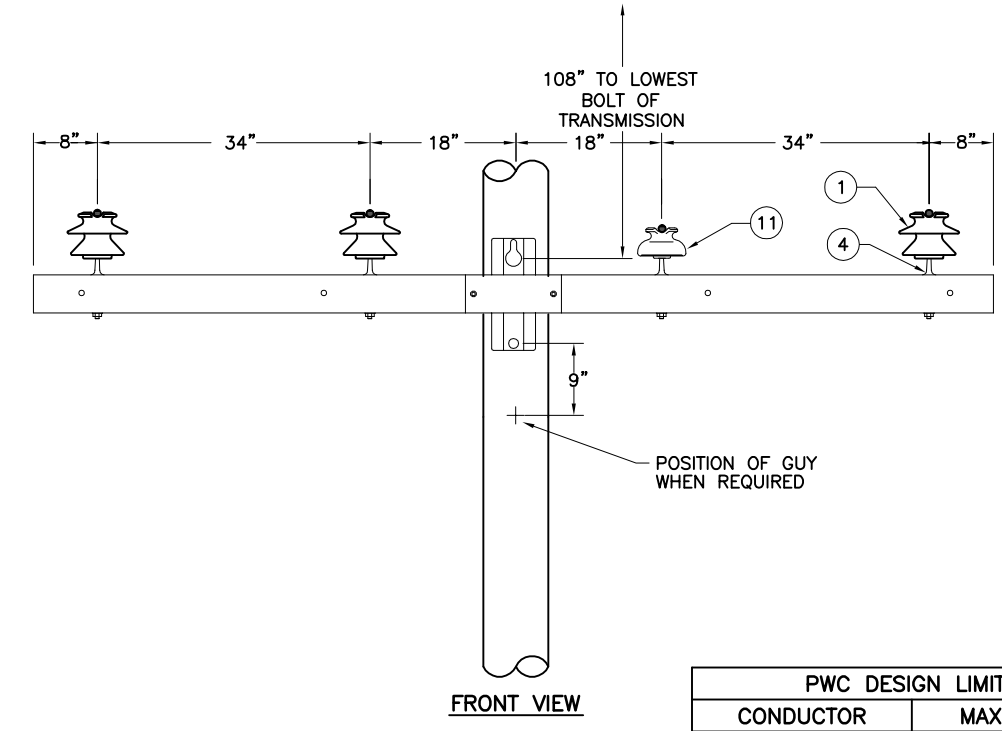
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC9-1SEC



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.
4. 10' FIBERGLASS ARM IS STANDARD CONSTRUCTION FOR DISTRIBUTION UNDERBUILD ON STEEL POLES.

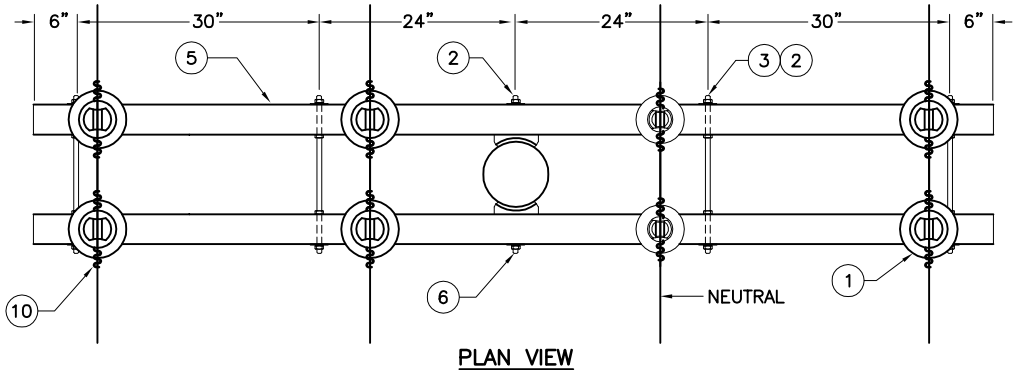
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	3
2	1325190	BOLT, MACHINE, GALV., 5/8" X 16" w/NUT	2
3	1325760	WASHER, SQUARE, CURVED, 3"	3
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	4
5	1100017	CROSSARM, 10 FOOT, FBGL. REIN. COMPOSITE	1
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	3
10	1065010	TIE WIRE, #4 SOLID ALUMINUM	24
11	1160040	INSULATOR, 1" GROOVE, 15KV	1

PWC REVISIONS			
1	6/2020	WRW3	PWCOST
0	2/12	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0			
REVISED		BY	APPR.

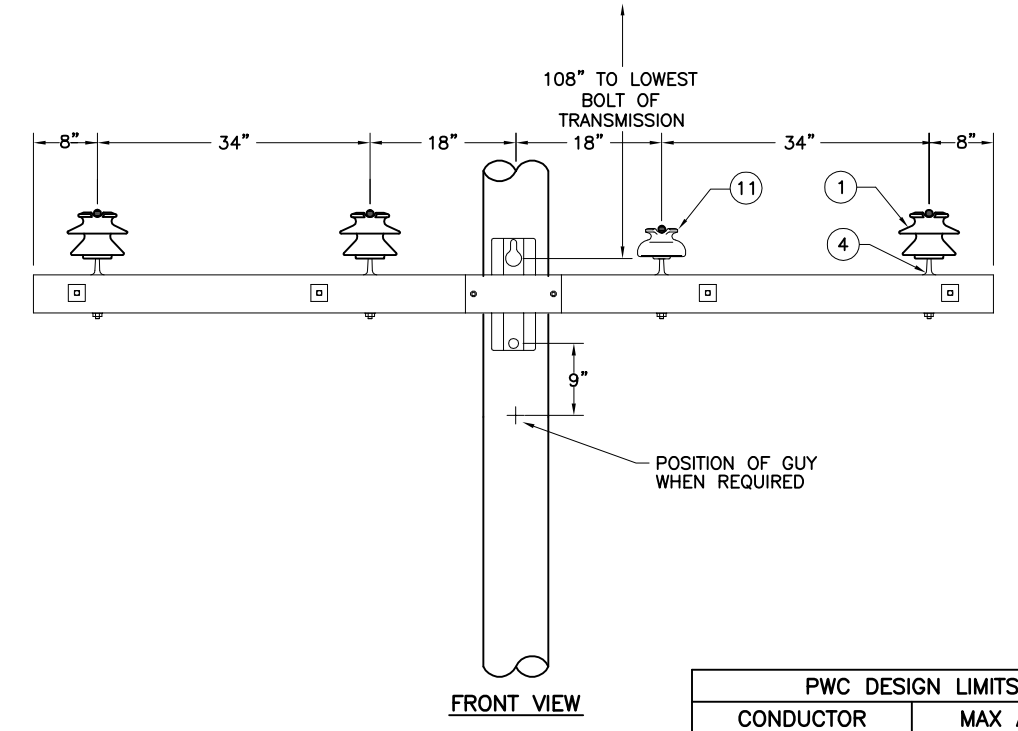
UNDERBUILD FBG. CROSSARM CONSTRUCTION THREE PHASE, LARGE CONDUCTOR CENTER PHASE AND NEUTRAL ON ARM, 25KV

SCALE 1/2"=1'-0"

DWG. VC9-1SFBG



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	11°
#477 AAC	10°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.
4. 10' FIBERGLASS ARM IS STANDARD CONSTRUCTION FOR DISTRIBUTION UNDERBUILD ON STEEL POLES.

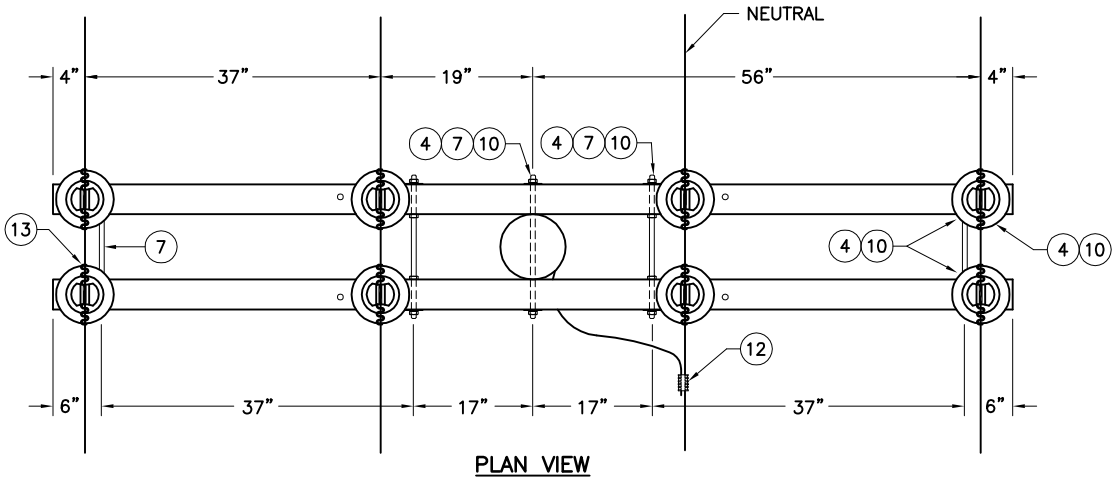
ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6	6
2	1325025	BOLT, DOUBLE ARMING, 5/8" X 20" w/NUT	5
3	1325765	WASHER, SQUARE, FLAT, 5/8"	16
4	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	8
5	1100017	CROSSARM, 10 FOOT, FBGL. REIN. COMPOSITE	2
6	1325733	WASHER, DOUBLE COIL, SPRING LOCK, 5/8"	6
10	1065010	TIE WIRE, #4 SOLID ALUMINUM	48
11	1160040	INSULATOR, 1" GROOVE, 15KV	2

PWC REVISIONS			
0	6/20	WRW3	PWCOST
0	2/12	JLL	PWCOST
REVISED		BY	APPR
3			
2			
1			
0			
REVISED		BY	APPR.

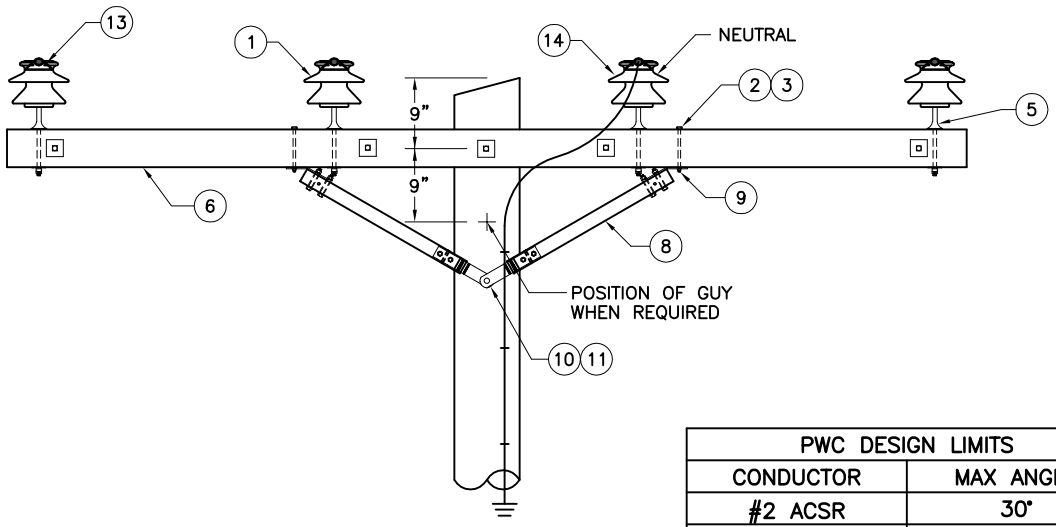
UNDERBUILD FBG. DOUBLE CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR
CENTER PHASE & NEUTRAL ON ARM, 25KV

SCALE 1/2"=1'-0"

DWG. VC9-2SFBG



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#2 ACSR	30°
#1/0 AAAC	25°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATORS PER NESC 220B2B.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	6
2	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	4
3	1325735	WASHER, SPLIT RING, LOCK, 1/2"	4
4	1325765	WASHER, SQUARE, FLAT, 5/8"	18
5	1100562	PIN, CROSSARM, 1", LONG SHANK w/NUT	8
6	1100015	CROSSARM, 10" WOOD	2
7	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	5
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
9	1325715	WASHER, FLAT, ROUND, 1/2"	4
10	1325740	WASHER, LOCK, 5/8"	19
11	1325020	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1
12	1075245	CONNECTOR, PRL. GRVE. COMP., #1/7	1
13	1065010	TIE WIRE, #4 SOLID ALUMINUM	32
14	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	2

PWC REVISIONS			
3	6/2020	WRW3	PWCOST
2	09/21/09	JLL	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

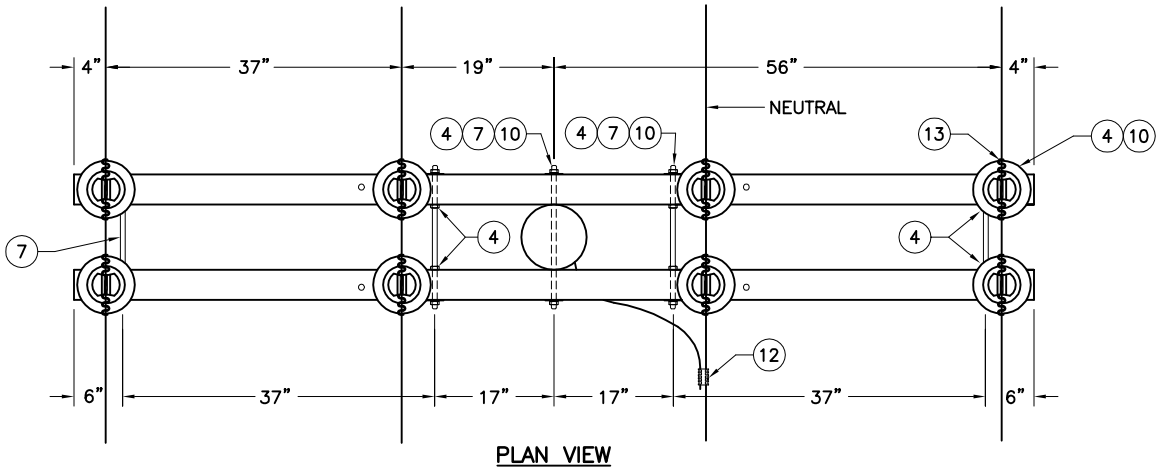
3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

CROSSARM CONSTRUCTION, THREE PHASE, NEUTRAL ON DOUBLE ARMS, 25KV

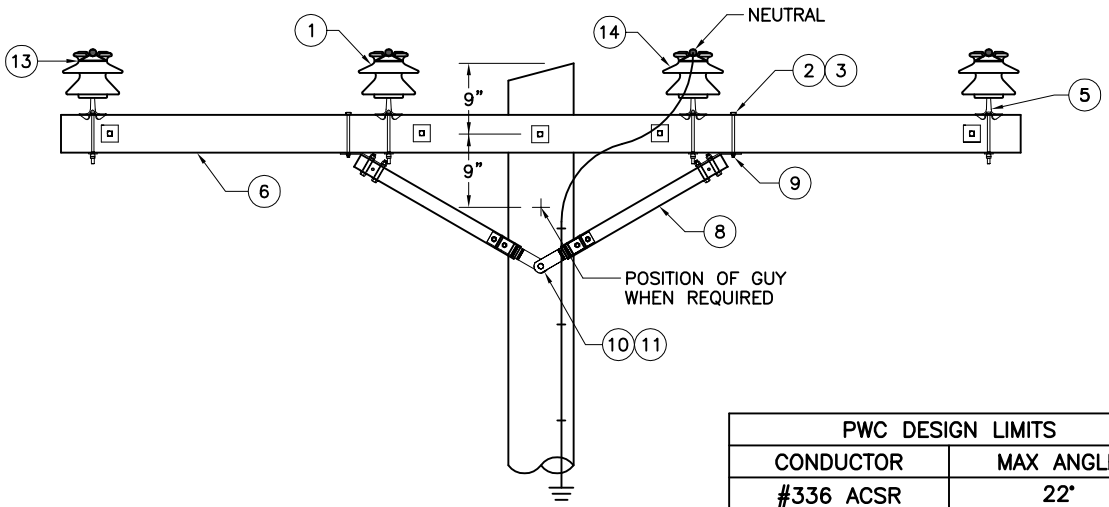
ELECTRICITIES

SCALE 1/2"=1'-0"

DWG. VC9EC



PLAN VIEW



FRONT VIEW

PWC DESIGN LIMITS	
CONDUCTOR	MAX ANGLE
#336 ACSR	22°
#477 AAC	20°

NOTES:

1. GROUNDS ARE TO STOP AT THE NEUTRAL POSITION EXCEPT TO RISE TO A LIGHTNING ARRESTER OR TRANSFORMER.
2. ALL GUYS MUST CONTAIN A GUY STRAIN INSULATOR SUFFICIENT TO PROVIDE TWO FEET OF AIR CLEARANCE.
3. THE NEUTRAL INSULATOR IS TO BE DIFFERENT IN SIZE OR COLOR FROM THE PRIMARY INSULATORS PER NESC 220B2B.

PWC CONSTRUCTION NOTES:

1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

ITEM	PWC STOCK #	PWC MATERIAL DESCRIPTION	QTY.
1	1160065	INSULATOR, PIN-TYPE, ANSI 55-6, 25 KV	6
2	1325155	BOLT, MACHINE, 1/2" X 6", w/NUT	4
3	1325735	WASHER, SPLIT RING, LOCK, 1/2"	4
4	1325765	WASHER, SQUARE, FLAT, 5/8"	18
5	1100562	PIN, CROSSARM, SADDLE, 1" X 6"	8
6	1100015	CROSSARM, 10" WOOD	2
7	1325025	BOLT, DOUBLE ARMING, 5/8" X 20", w/NUT	5
8	1100532	BRACE, CROSSARM, WOOD, 60" X 30"	2
9	1325715	WASHER, FLAT, ROUND, 1/2"	4
10	1325740	WASHER, LOCK, 5/8"	19
11	1325020	BOLT, DOUBLE ARMING, 5/8" X 18", w/NUT	1
12	1075245	CONNECTOR, PRL. GRVE. COMP., #1/7	1
13	1065010	TIE WIRE, #4 SOLID ALUMINUM	32
14	1160040	INSULATOR, PIN-TYPE, ANSI 55-4, 1" GROOVE, 15 KV	2

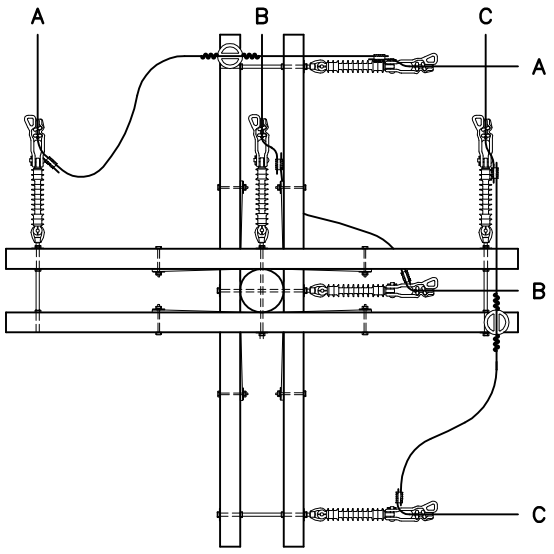
PWC REVISIONS			
3	6/2020	WRW3	PWCOST
2	09/21/09	JLL	PWCOST
1	08/12/08	JLL	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR

3			
2			
1	11/10/05	CADD GRAPHICS	OST
0	2/1/05	CADD GRAPHICS	OST
REVISED		BY	APPR.

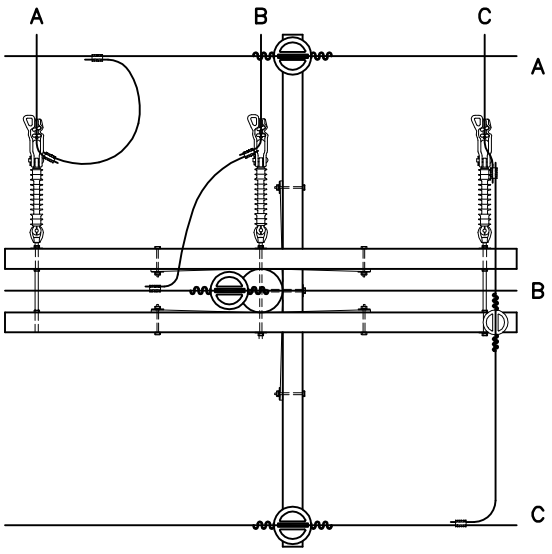
CROSSARM CONSTRUCTION
THREE PHASE, LARGE CONDUCTOR
NEUTRAL ON DOUBLE ARMS, 25KV

ELECTRICITIES

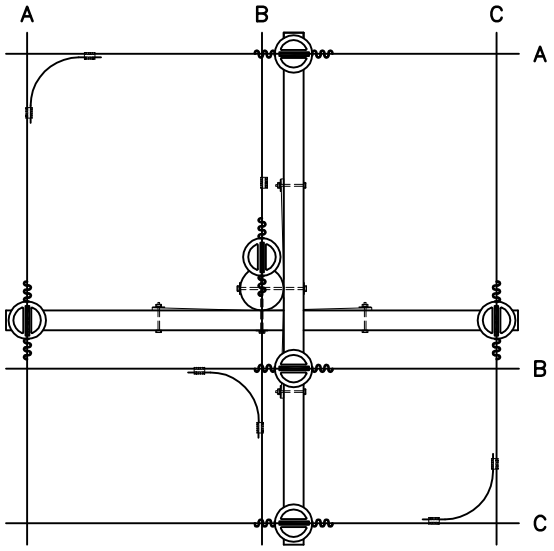
SCALE	DWG.
1/2"=1'-0"	VC9SEC



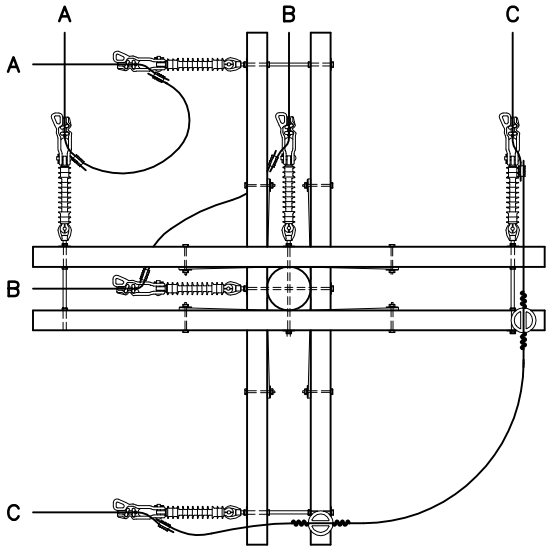
PLAN VIEW



PLAN VIEW



PLAN VIEW



PLAN VIEW

NOTES:

1. IF ONLY TWO PHASES ARE INSTALLED, PLACE CONDUCTORS IN END PIN POSITIONS.
2. SELECT APPROPRIATE INSULATORS FOR SYSTEM VOLTAGE USED AND CRITICAL FLASHOVER DESIRED.

PWC CONSTRUCTION NOTES:

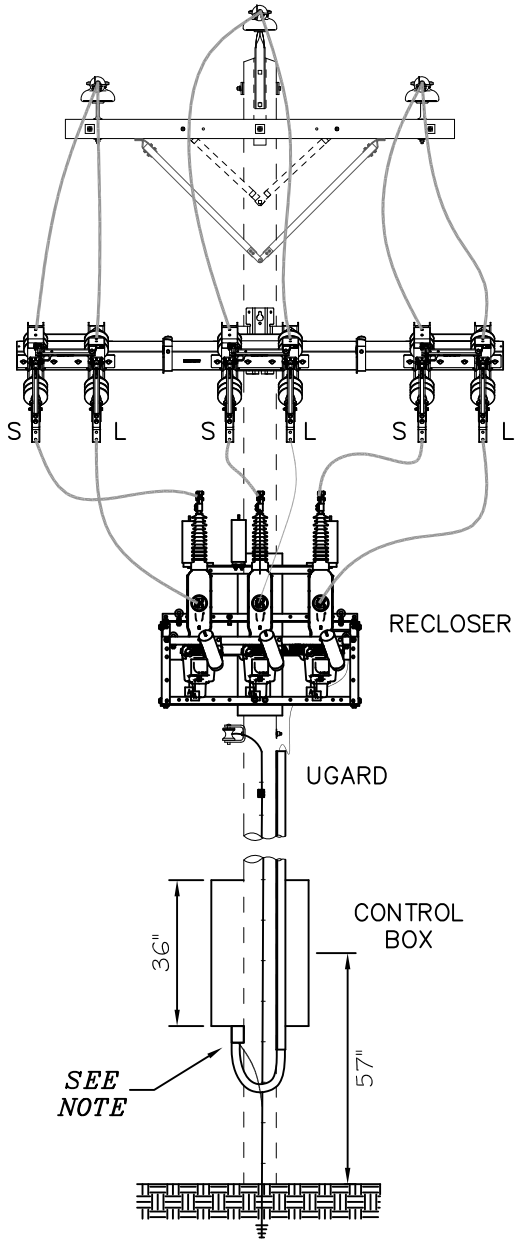
1. SPECIFY ARMOR RODS, AND/OR CONDUCTOR DEADEND ATTACHMENTS SEPERATELY AS REQUIRED.

1	6/2020	WRW3	PWCOST
0	12/3/07	JLL	PWCOST
REVISED		BY	APPR
PWC REVISIONS			
3			
2			
1			
0	1/18/07	CADD GRAPHICS	OST
REVISED		BY	APPR.

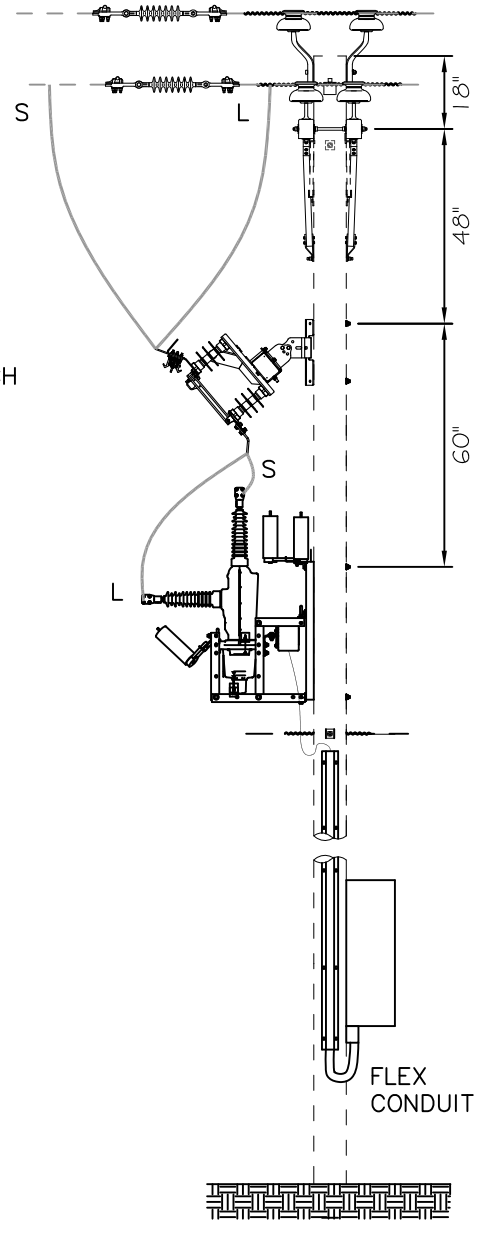
THREE–PHASE CORNER CONSTRUCTION DISTRIBUTION, 25KV

ELECTRICITIES

SCALE	DWG.
1/2"=1'–0"	V6–1EC



FRONT VIEW



PROFILE

*NOTE;
ALL CABLE, FIBER, CONTROL, POWER SHALL BE ENCLOSED IN EITHER U.GUARD OR LIQUID TIGHT CONDUIT.

CONTROL CABINET TO BE BONDED TO POLE GROUND.

PUBLIC WORKS COMMISSION OF THE CITY OF FAYETTEVILLE , N.C.		600 AMP ELECTRONIC CONTROLLED THREE-PHASE RECLOSER WITH 600 AMP HORIZONTAL BYPASS SWITCH	STRUCTURE ID. REC600HS REC600HF VREC600HS VREC600HF
DRAWN BY: S. COLLINS	SCALE: NONE		
CHECKED BY:	APPROVED BY:	REVISION DATE : SEPTEMBER 9, 2022	

MATERIAL LIST

STRUCTURE ID.	ASSEMBLY ID.	STOCK NO.	DESCRIPTION	QUANTITY
REC600HS				
	SWVCR600E15		**RECLOSER, 600A, 15 KV, 3-PHASE, TRIPLE/SINGLE, ELECTRONIC**	**1**
		1-280-461	RECLOSER, 600A, 15 KV, 3-PHASE, TRIPLE/SINGLE	1
	CTRLRECVPR		**RELAY, ELECTRONIC, DISTRIBUTION FEEDER PROTECTION, SEL-651R**	**1**
		1-045-566	RELAY, PARTIAL DISTRIBUTION FEEDER PROTECTION	1
	SW6RECBYPASS		**SWITCH, 25 KV, 600 AMP, RECLOSER BYPASS ON FIBERGLASS ARM**	**1**
		1-280-160	SWITCH, RECLOSER BYPASS, CROSSARM	1
	LA10SW		**LIGHTNING ARRESTERS, 10 KW, SWITCH POLE**	**3**
		1-170-010	ARRESTER, 10 KV, HEAVY-DUTY	2
	UGARD2		**U-GARD, 2", 10'**	**3**
		1-070-032	U-GARD, 2", 10' LENGTH, TRUCK STOCK	1
	GND210S		**GROUNDING, DRIVEN, 2-10' RODS**	**1**
		1-255-070	ROD, GROUND, 5/8" X 10' CU-CLAD, TRUCK STOCK	2
	UAXLP500		**U/G ALUMINUM POLYETHYLENE INSULATED, 500**	**60'**
		1-065-540	CONDUCTOR, 500 MCM, AL XLP 600V	1'
	FLEX CONDUIT		**2" FLEXIBLE CONDUIT FOR CONTROL**	**10'**
		1-070-615	CONDUIT, 2" LIQUID TIGHT, FLEXIBLE (LFMC)	1'

NOTES:

CONDUCTOR ATTACHMENTS, DOWN GUYS, AND ANCHORS MUST BE SPECIFIED SEPARATELY.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	SCALE: NONE
CHECKED BY:	APPROVED BY:

15 KV- 600 AMP ELECTRONIC CONTROLLED THREE-PHASE RECLOSER WITH 600 AMP HORIZONTAL BYPASS SWITCH

REVISION DATE : SEPTEMBER 9, 2022

STRUCTURE ID.

REC600HS

MATERIAL LIST

STRUCTURE ID.	ASSEMBLY ID.	STOCK NO.	DESCRIPTION	QUANTITY
REC600HF				
	SWVCR600E15		**RECLOSER, 600A, 15 KV, 3-PHASE, TRIPLE/SINGLE, ELECTRONIC**	**1**
		1-280-461	RECLOSER, 600A, 15 KV, 3-PHASE, TRIPLE/SINGLE	1
	CTRLRECFLISR		**RELAY, RELAY, DISTRIBUTION FEEDER AUTOMATION CONTROLLER, SEIMENS, FLISR**	**1**
		1-045-565	RELAY, DISTRIBUTION FEEDER, AUTOMATION CONTROLLER	1
	SW6RECBYPASS		**SWITCH, 25 KV, 600 AMP, RECLOSER BYPASS ON FIBERGLASS ARM**	**1**
		1-280-160	SWITCH, RECLOSER BYPASS, CROSSARM	1
	LA10SW		**LIGHTNING ARRESTERS, 10 KW, SWITCH POLE**	**3**
		1-170-010	ARRESTER, 10 KV, HEAVY-DUTY	2
	UGARD2		**U-GARD, 2", 10'**	**3**
		1-070-032	U-GARD, 2", 10' LENGTH, TRUCK STOCK	1
	GND210S		**GROUNDING, DRIVEN, 2-10' RODS**	**1**
		1-255-070	ROD, GROUND, 5/8" X 10' CU-CLAD, TRUCK STOCK	2
	UAXLP500		**U/G ALUMINUM POLYETHYLENE INSULATED, 500**	**60'**
		1-065-540	CONDUCTOR, 500 MCM, AL XLP 600V	1'
	FLEX CONDUIT		**2" FLEXIBLE CONDUIT FOR CONTROL**	**10'**
		1-070-615	CONDUIT, 2" LIQUID TIGHT, FLEXIBLE (LFMC)	1'

NOTES:

CONDUCTOR ATTACHMENTS, DOWN GUYS, AND ANCHORS MUST BE SPECIFIED SEPARATELY.

PUBLIC WORKS COMMISSION
OF THE CITY OF FAYETTEVILLE , N.C.

DRAWN BY: S. COLLINS	SCALE: NONE
CHECKED BY:	APPROVED BY:

15 KV- 600 AMP ELECTRONIC (FLISR) CONTROL THREE-PHASE RECLOSER WITH 600 AMP HORIZONTAL BYPASS SWITCH

REVISION DATE : SEPTEMBER 9, 2022

STRUCTURE ID.

REC600HF

MATERIAL LIST

STRUCTURE ID.	ASSEMBLY ID.	STOCK NO.	DESCRIPTION	QUANTITY
VREC600HS				
	SWVCR600E		**RECLOSER, 600A, 25 KV, 3-PHASE, TRIPLE/SINGLE, ELECTRONIC**	**1**
		1-280-460	RECLOSER, 600A, 25 KV, 3-PHASE, TRIPLE/SINGLE	1
	CTRLRECVPR		**RELAY, ELECTRONIC, DISTRIBUTION FEEDER PROTECTION, SEL-651R**	**1**
		1-045-566	RELAY, PARTIAL DISTRIBUTION FEEDER PROTECTION	1
	SW6RECBYPASS		**SWITCH, 25 KV, 600 AMP, RECLOSER BYPASS ON FIBERGLASS ARM**	**1**
		1-280-160	SWITCH, RECLOSER BYPASS, CROSSARM	1
	LA21SW		**LIGHTNING ARRESTERS, 21 KW, SWITCH POLE**	**3**
		1-170-030	ARRESTER, 21 KV, HEAVY-DUTY	2
	UGARD2		**U-GARD, 2", 10'**	**3**
		1-070-032	U-GARD, 2", 10' LENGTH, TRUCK STOCK	1
	GND210S		**GROUNDING, DRIVEN, 2-10' RODS**	**1**
		1-255-070	ROD, GROUND, 5/8" X 10' CU-CLAD, TRUCK STOCK	2
	UAXLP500		**U/G ALUMINUM POLYETHYLENE INSULATED, 500**	**60'**
		1-065-540	CONDUCTOR, 500 MCM, AL XLP 600V	1'
	FLEX CONDUIT		**2" FLEXIBLE CONDUIT FOR CONTROL**	**10'**
		1-070-615	CONDUIT, 2" LIQUID TIGHT, FLEXIBLE (LFMC)	1'

NOTES:

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PUBLIC WORKS COMMISSION
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DRAWN BY: S. COLLINS	SCALE: NONE
CHECKED BY:	APPROVED BY:

25 KV- 600 AMP ELECTRONIC CONTROLLED THREE-PHASE RECLOSER WITH 600 AMP HORIZONTAL BYPASS SWITCH

REVISION DATE : SEPTEMBER 9, 2022

STRUCTURE ID.

VREC600HS

MATERIAL LIST

STRUCTURE ID.	ASSEMBLY ID.	STOCK NO.	DESCRIPTION	QUANTITY
VREC600HF				
	SWVCR600E		**RECLOSER, 600A, 25 KV, 3-PHASE, TRIPLE/SINGLE, ELECTRONIC**	**1**
		1-280-460	RECLOSER, 600A, 25 KV, 3-PHASE, TRIPLE/SINGLE	1
	CTRLRECFLISR		**RELAY, DISTRIBUTION FEEDER AUTOMATION CONTROLLER, SEIMENS, FLISR**	**1**
		1-045-565	RELAY, DISTRIBUTION FEEDER, AUTOMATION CONTROLLER	1
	SW6RECBYPASS		**SWITCH, 25 KV, 600 AMP, RECLOSER BYPASS ON FIBERGLASS ARM**	**1**
		1-280-160	SWITCH, RECLOSER BYPASS, CROSSARM	1
	LA21SW		**LIGHTNING ARRESTERS, 21 KW, SWITCH POLE**	**3**
		1-170-030	ARRESTER, 21 KV, HEAVY-DUTY	2
	UGARD2		**U-GARD, 2", 10'**	**3**
		1-070-032	U-GARD, 2", 10' LENGTH, TRUCK STOCK	1
	GND210S		**GROUNDING, DRIVEN, 2-10' RODS**	**1**
		1-255-070	ROD, GROUND, 5/8" X 10' CU-CLAD, TRUCK STOCK	2
	UAXLP500		**U/G ALUMINUM POLYETHYLENE INSULATED, 500**	**60'**
		1-065-540	CONDUCTOR, 500 MCM, AL XLP 600V	1'
	FLEX CONDUIT		**2" FLEXIBLE CONDUIT FOR CONTROL**	**10'**
		1-070-615	CONDUIT, 2" LIQUID TIGHT, FLEXIBLE (LFMC)	1'

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25 KV- 600 AMP ELECTRONIC (FLISR) CONTROLLED THREE-PHASE RECLOSER WITH 600 AMP HORIZONTAL BYPASS SWITCH

STRUCTURE ID.

VREC600HF

DRAWN BY: S. COLLINS | SCALE: NONE

CHECKED BY: | APPROVED BY:

REVISION DATE : SEPTEMBER 9, 2022